FG

AD A 032525

ETL-0065

POST-MISSION SMOOTHING AND ANALYSIS OF
THE MEASUREMENTS OF THE CHANGE IN
THE DEFLECTION OF THE VERTICAL
OBTAINED BY THE RAPID GEODETIC
SURVEY SYSTEM (RGSS) AT THE
WHITE SANDS TEST RANGE



Contract No. DAAG53-75-C-0248

Prepared for

Research Institute

U.S. Army Engineer Topographic Laboratories
Fort Belvoir, Virginia 22060

September 1976

Approved for Public Release; Distribution Unlimited

CHRY AVELLABLE TO MIC DOES HOT PREMIS FULLY LEGISLE PRODUCTION Destroy this report when no longer needed. Do not return it to the originator.

The findings in this report are not to be construed as an official Department of the Army position unless so designated by other authorized documents.

The citation in this report of trade names of commercially available products does not constitute official endorsement or approval of the use of such products.

# BEST

# AVAILABLE

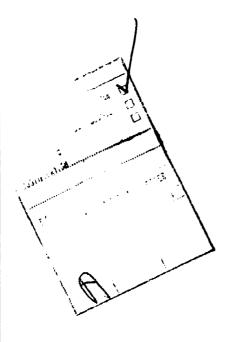
COPY

	READ INSTRUCTIONS BEFORE COMPLETING FORM
1	. 3. RECIMENT'S CATALOG NUMBER
ETL ØØ65	2
Post-Mission Smoothing and Analysis of the	THE OF REPORT & PERIOD COVER
Measurements of the Change in the Deflection of the Vertical Obtained by the Rapid Geodetic Surve	Contract Repert.
System (RGSS) at the White Sands Test Range, f	PERFORMING ORG. REPORT NUMBER
Z. AUTHOL(O)	CONTRACT OR GRANT NUMBER(s)
James R./Huddle	DAAG53-75-C-6248
Richard H. Lentz	
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TA
Litton Guidance and Control Systems	
5500 Canoga Avenue Woodland Hills, California 91364	
11. CONTROLLING OFFICE NAME AND ADDRESS	12: REPORT DATE
U.S. Army Engineer Topographic Laboratories	September 1976
Fort Belvoir, Virginia 22060	344
14. MONITORING AGENCY NAME & ADDRESS(II dittoyen Tres Controlling Office)	15. SECURITY CLASS, (of this report)
(12/3/3/4)	Unclassified
9 - 6 - 1	154, DECLASSIFICATION/DOWNGRADIN SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)	
Approved for public release; distribution unlimi	
18. SUPPLEMENTARY NOTES	
	0
19. KEY WORDS /Continue on reverse side if necessary and identify by block number	
20. ABSTRACT (Continue on reverse side it necessary and identify by block number by The objectives of this report were; (1) to apply of to raw real-time estimates of the changes in the collected by the Rapid Geodetic Survey System (I analyze the residual errors in the smoothed estimately of the change in the deflection of the vertical for those runs where residual errors in the smoothed estimates.	f-line post-mission smooth deflection of the vertical a RGSS) at White Sands; (2) to mates of the changes in the
20. ABSTRACT (Continue on reverse side it necessary and identity by block number by The objectives of this report were; (1) to apply of to raw real-time estimates of the changes in the collected by the Rapid Geodetic Survey System (I analyze the residual errors in the smoothed estimates.)	f-line post-mission smooth deflection of the vertical a RGSS) at White Sands; (2) to mates of the changes in the ference change information festimate degradation; and

20. Abstract (cont'd) (17)

should lead to improvement in the deflection recovery accuracy of the RGSS.





#### TABLE OF CONTENTS

Section		Title	Page
I.	In	troduction	1
	1.	1 Objective of Study	1
	1.	2 Error Model of the Deflection Change Measurement Process	1
	1.	Deflection due to Correlated Platform	
		Drift Rate	4
	1.	4 Method of Investigation	4
II.	In	ve stigation	7
	2.	1 General Description of the Test Runs	7
	2.	2 Categorization of Test Runs	10
	2.	3 Analysis of System Error Characteristics	11
	2.	4 Modified Off-Line Smoothing of the Deflection Change Estimates	13
	2.	5 General Organization of Test Data and Analytical Results in the Appendices	16
III.	Di	scussion	17
IV.	Co	onclusions	19
v.	Re	commendations	21
Appendix A	_	Optimal Smoothing of Integrated Exponentially-Correlate	d Noise
Appendix B	-	Reference Values for the Vertical Deflection Components Free-Air Gravity Anomaly	s and the
Appendix C	-	Off-Line Smoother Estimates of Change and Errors in the of the Vertical Deflection Components	ie Chang
Appendix D	-	Real-Time Estimates, Smoothed Estimates and Errors in Estimates of the Deflection of the Vertical Change for the Original Missions	
Appendix E	-	Real-Time Estimates, Smoothed Estimate and Errors in Estimates of the Deflection of the Vertical Change for the with Major Heading Changes Removed	

#### TABLE OF CONTENTS (contd)

- Appendix F Real Time Estimates, Smoothed Estimates, and Errors in the Estimates of the Deflection of the Vertical Change for the Runs Divided into Multiple Legs
- Appendix G Smoothed Estimates of Change and the Errors in the Change in the Deflections of the Vertical for all Missions
- Appendix H "Best" Estimates of the Deflection of the Vertical at Stations
  Where Reference Values Were Not Available
- Appendix I Kalman Estimates of Free-Air Gravity Anomaly Changes and the Errors in the Estimates

#### LIST OF ILLUSTRATIONS

Nu.nber	Title	Page
1.	Error Model of the RGSS Deflection Change Measurement Process	2
	LIST OF TABLES	
I.	Summary of the Original and Modified Reduction of the RGSS White Sands Test Data	9
II.	RMS Values of Errors in the Smoothed Estimates of the Deflection Components	15

#### SECTION I

#### INTRODUCTION

#### 1.1 Objective of Study

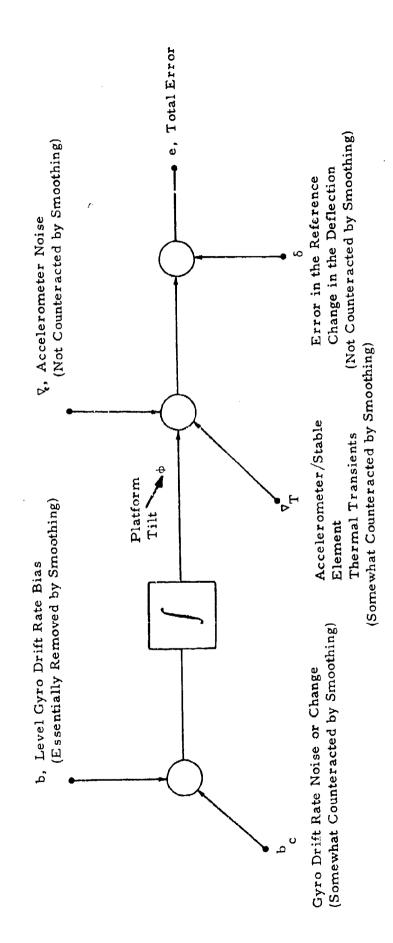
The objectives of this study were to:

- Apply off-line, post-mission smoothing to raw real-time estimates of the changes in the deflection of the vertical as collected by the Rapid Geodetic Survey System (RGSS) at White Sands. Data recorded on tape cassettes from a set of 17 test runs were provided by the Research Institute at the U.S. Army Engineer Topographical Lab (USAETL).
- Analyze the residual errors in the smoothed estimates of the changes in the deflection of the vertical for those runs where reference change information was available to determine significant sources of estimate degradation. A subset of 8 of the test runs was available for this purpose.
- Recommend a further course of action as a result of this analysis which should lead to improvement in the deflection recovery accuracy of the RGSS.

### 1.2 Error Model of the Deflection Change Measurement Process

Analysis of the error in the measurement of the change in the vertical deflection by the RGSS requires identification of the major sources of error in a model of the measurement process. The block diagram shown in Fig. 1 illustrates the current error model of the deflection change measurement process for the RGSS. Included in this model are:

 Gyro Drift Rate Bias (b) - a residual drift rate after initial system calibration which is constant during the mission and whose effect is essentially removed by post-mission smoothing.



Error Model of the RGSS Deflection Change Measurement Process Figure 1.

- Gyro Drift Rate Noise (b<sub>c</sub>) a component of drift rate which changes during the course of the mission whose effect is only partially removed by post-mission smoothing. (Refer to Appendix A on optimal smoothing of integrated exponentially-correlated noise.) This noise source includes heading-sensitive and thermal induced gyro drift rates as well as drift rate changes resulting from unidentified causes.
- Accelerometer/Stable Element Thermal Transients (∇<sub>T</sub>) change in accelerometer bias and sensitive axis orientation due to thermal non-equilibrium occurring after initial turn-on but also including sensitivity to heading change during the mission. This effect is partially, but unsatisfactorily, compensated for by post-mission smoothing.
- Accelerometer Noise (\nabla\_c) changes in accelerometer error due to unidentified causes, a random error whose effect is not compensated for by post-mission smoothing.
- Error in the Reference Change in the Deflection (δ) a random error whose effect is not compensated for by post-mission smoothing. For the White Sands reference data the individual deflections were assumed known to 0.5 sec (1σ) which is equivalent to knowing the change to 0.7 sec (1σ).

### 1.3 Theoretical Limit on the Recovery of the Vertical Deflection Due to Correlated Platform Drift Rate

A review of the error model of the deflection recovery process defined above will indicate that the most important limitation in measuring the change in the deflection of the vertical over extended distances/time periods results from the instability in the platform drift rate. The unstable component of platform drift rate can usually be characterized as exponentially-correlated noise. The specific limitation on deflection recovery due to the presence of such a noise source in the RGSS have been analyzed in detail and the mathematical and numerical results are presented in a convenient normalized form in Appendix A.

For our purposes here, if we characterize the platform drift rate as being  $0.001^{\circ}/hr$  ( $1\sigma$ ) with a correlation time of 2 hours, then the time RMS of the error in the estimated deflection change due to this error only over a 2 hour mission once optimal post-mission smoothing has been performed, will be 0.9~sec. If the mission time is reduced to 1 hour or extended to 4 hours, the analysis of Appendix A indicates that for the same correlated drift rate, the time RMS of the error in the estimated deflection change would be 0.3~sec or 2.1~sec, respectively.

#### 1.4 Method of Investigation

Off-line smoothing of the raw deflection change measurement data for each of the 17 test runs was applied using a specially-developed digital computer program written in the FORTRAN language. The results of this process are summarized in tables below and also shown in plots of the deflection change estimates before (real-time estimates) and after smoothing (refer to the various appendices of this report).

For those 8 test runs where reference deflection change data was made available by USAETL, an analysis of the deflection change measurement error characteristics was performed with the intent of determining major sources of performance degradation. For this analysis a model of the error in the deflection change measurement process was constructed using logic and past experience and then where possible, the measurement error characteristics were explained in terms of this model.

Once the dominating error sources were identified in terms of the model, a recommended plan for reducing their effect was evolved.

#### SECTION II

#### INVESTIGATION

#### 2.1 General Description of the Test Runs

A general summary of the 17 test runs made with the RGSS at White Sands is shown in Table 1 below within the ruled lines. The table indicates the:

- Identifying number for the run
- Date the run was made
- Time of day at which the run was initiated
- Time duration of the run
- Initial and terminal stations for the run and the general direction between the stations.

The raw measurements were first smoothed with the off-line computer program in the form that they were initially recorded on the tape cassettes. The off-line smoothing program basically employs the errors in the estimated values of the deflection change observed at the terminal station to estimate the platform drift rate vector and remove this effect from the real-time deflection change estimates at the intermediate stations. The reduction of the measurements for the test runs in their original form are identified by the numbers with no following letter (e.g., 1, 2(1), 2(2), 3 etc) throughout the report. For analytical purposes, the raw measurements were also smoothed over sub-sections of the original test run. The reduction of the measurements for these modified test runs are identified by the numbers with a following letter (e.g., 1A, 1B, 2(1)A, etc.).

Note these modified test runs necessarily have shorter elapsed time (column 4) and proceed between a different initial or terminal point relative to the original run (column 5). The motivation for the modified reduction of the data is given below.

TABLE 1 SCAMARY OF THE ORIGINAL AND MODIFIED ACTION OF THE RGSS WHITE SANDS TEST DATA

												_													
General Direction and Reference Points	SANDS NE Base (3) S. W. to BEASLEY (2001)	SANDS NE Base (3) S.W. to SANDS SW Base (10)	SANDS SW Base (10) S.W. to REASLEY (2001)	HUEY (2018) W. to M-344 (2034) N. to BEASLEY (2001)	HUEY (2018) W. to Mark (2024) N. to NED (2035)	NED (2014) N. to BEASLEY (2061)	BEASLEY (2001) N.E. to SANDS NE BASE (3)	BEASLEY (2001) N. to SANDS SW BASE (10)	SANDS SW BASE (10) N.E. to SANDS NE BASE (5)	TULAROSA S. B (1) W. to HANFORD (9)	TULAROSA SR (1) W. 15 SALT (5)	SALT (5) W. to HANFORD (9)	HANFORD (9) E. to TULAROSA SR ( )	HANI ORD (9) E. to SALT (5)	SALT '5) E. to TITLAROSA SB (1)	TULARO; 53 (1) W. to 4F953 (7) then E. to T. LAROSA (1)	TULAROSA SB (1 W - 54F95) (7)	4F953 (7) E. to TULAROSA SB (1)	WC-50 (1) S. to CCNN (15)	WC-50 (1) S. to D-3 (7)	GERI (4) S. to CONN (15)	CONN (15) N, to NG-50 (1)	CONN (15) N. to SEE HORN (8)	NW-10 ((1 N. to WC-50 (1)	BEASLEY (2001) S. to M-334 (2025) E. to HUEY (2018) W. to M-334 (2023) N. to DEASLEY (2001)
Elapsed Time (Hr)	9 7	8°0	1.3	×.	1.2	ن' ﴿	c- -1	1:	٥, ٥	2.7	1.6	1.7	2.1	1.2	0.0	2.8	1.4	1.4	9*;	7	b.9	3.4	1.6	1.1	3-1
Start Time (Hr-Min-Sec)	11-05-1	1- 1- 1-	8-40-0;	13-52-33	13.50	15.5.4	15-40-30	15-40-40	16-46-16	8-34.58	8-34-58	52-38-0	12-14-40	12-14-49	13-23-14	15-24-23	15-24-23	16-40-34	9-16-6	9-91-6	12-2-38	14-26-3	14-26-3	15-50-42	9-53-5
Date (Mo-Pav-Yr)	3-5-70	· · · · · · · · · · · · · · · · · · ·	3-5-76	پريد		3-5-76	21-4-5	3-4-76	3-5-70	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-10-76	3-11-76
Run Number	-	<u> </u>	ŭ.	192	2(1)A	2(1)%	(5)7	3(2)A	66.5	<i>*</i> *	3.8	e e	च	4. A.	r. T	m	٠. ج	а •	9	V9	5.8	t=	∢£ t-	73	8(2)

																							·		
WC-50 (1) S. to D-3 (7)	GERI (9) S. to CONN (15)	GONN (15) N. to NG-50 (1)	CONN (13) N. 10 SEE HORN [8)	NW-10 (6) N. to WC-50 (1)	BLASLEY (2001) S. to M-334 (2023) E. to HUEY (2018) W. to M-334 (2023) N. to BEASLEY (2001)	BEASLEY (20a1) S. to M-334 (2023) E. to HPFY (2018)	HUEY (2018) W. to M-334 (2023) N. to BEASLEY (2001)	BEASLEY (2001) N.E. to SANDS NE BASE (3)	BEASLEY (2001) N.E. to SANDS SW BASE (10)	SANDS SW BASE (10) N.E. to SANDS NE BASE (3)	REASTEY (2001) S. to M-334 (2023) E. to HUEY (2018)	BEASLEY (2001) S. to NED (2035)	NED (2034) S. to M-334 (2023) E. to HUEY (2018)	HEEY (2018) W. to M-334 (2023) N. to BRASLEY (2001)	HUEY (2018) W. to M-334 (2023) N. to NSO (2023)	NED (2015) N. to BEASLEY (2001)	OASIS (27) W. to WC-50 (203) N. to TS-NE7 (210)	OASIS (27) W. to W.C50 (201)	WG-50 (203) N. to TS-857 (210)	BASIN (208) S. 16 WC-51 (203) E. 16 OASIS (27)	BASIN (2081 S. 10 W.C50 (203)	WC-50 (201) E. to OASIS (27)	JACK (22) N. to IPS 3 (D W. to SAUT (3D)	SALT (11) E. to OASIS (27)	OASIS (27) S. to JACK (22)
1.7	0.0	7.	1.6	1.1	1.1	<u>ن</u>	1.5	2.0		· · · · ·	<i>y</i>	0.6	0.0	1.7		0.6	٠.٠	c ci		2.1	٥.٥	8.0	+.	φ. 'U	0.8
9-14-6	12-2-38	14-26-3	14-25-3	15-50-42	8-51-3	8-67-5	16-27-57	81-81-61	13-13-13	14-27-47	16-9-0	16.0.0	16-41-35	700 - C - C - C - C - C - C - C - C - C -	11 - C - C - C - C - C - C - C - C - C -	18-84-81	12-44-11	12-44-11	01-81-11	17-11-35	17-11-35	19-5-67	11-54-15	13-11-50	14-6-27
3-10-75	3-10-76	3-10-76	3-10-76	3-10-76	3-11-76	3-11-76	3-11-76	3-11-76	3-11-5	3-11-76	3-13-76	3-13-16	92-21-8	3-13-76	3-13-76	3-13-76	3-14-76	01.41.5	3-14-76	3-14-76	3-14-76	3-14-76	3-15-76	3-14-76	92-51-8
4,9	63	1-	4.	-18	8(2)	S(2)A	8(2)8	ø.	Vo	ರ: 7	10(2)	10(2)&	10(2)된	10(4)	R(+)01	10(4)됨	13	4.61	861	14	स ग	113	lé(t)	16(2)	16634

Q

#### 2.2 Categorization of Test Runs

The 17 test runs were divided into 3 categories depending upon the number of reference deflection change values that were provided by the Research Institute. A more comprehensive analysis of the system error characteristics can be made when there are a greater number of reference change values available. Clearly, where reference values of the deflection are available at all intermediate stations, the detailed structure of error in the deflection change estimates can be ascertained. The major categories were divided into sets run over the same course. The categories are:

- 1. All reference change values available -
  - Runs 3,4,5
  - Runs 6, 7
- 2. A majority of the reference change values available:
  - Runs 1, 2(2), 9
- 3. A minimum number of the reference change values available:
  - Runs 2(1), 8(2), 10(2), 10(4)
  - Runs 13, 14, 16(1), 16(2), 16(3)

#### 2.3 Analysis of System Error Characteristics

A considerable amount of time was spent during the study on the test results from the runs in Category 1. The real-time Kalman estimates were smoothed with the off-line computer program using different values for optional parameters in the smoother program. These optional parameters include platform drift rate (10) values and (10) values of the error in the observed deflection change estimates due to error in the reference deflection values and accelerometer bias shift at the terminal station. The variation in the RMS error in the smoothed estimates (relative to the reference change values provided) as a function of the selected values for the optional parameters was inspected and used as a criterion in arriving at a final "best" set of values.

In the next phase of the analysis, the characteristics of the error were observed for the individual runs. Two (2) important error characteristics were identified and related to their probable causes:

- A change of the trend in the error of the real-time Kalman estimate of the deflection change with vehicle heading for Runs 5, 6 and 7. Refer to Figs 3.3, 3.4, and 3.5 (ξ) and Figs. 4.3, 4.4, and 4.5 (η) respectively, in Appendix D. This characteristic implies the presence of uncompensated shifts in level gyro drift rate with heading change primarily for the east gyro, but somewhat also for the north gyro.
- Curvature of the trend in the error for the real-time Kalman estimates of the deflection change on Run 3. Refer to Fig. 3.1 (ξ) and Fig. 4.1 (ξ) of Appendix D. This effect could possibly be induced by an initial thermal transient since this run had an early morning start and the equipment may not have reached thermal equilibrium.

In addition, it was observed that on Run 4, which did not involve major vehicle heading changes and was made after several hours of system operation, the error in the real-time Kalman estimates of the deflection changes were quite linear, indicating the presence of constant gyro drift rate. Refer to Fig. 3.2 ( $\xi$ ) and Fig. 4.2 ( $\eta$ ) in Appendix D. The linear error characteristic is not of great concern as its effect can essentially be removed by the post-mission smoothing program.

The scatter of data in Fig. 4.2 ( $\eta$ ) for Run 4 should not be viewed with alarm as the scale is substantially reduced relative to the other figures. The scatter may be indicative of the noise characteristic of the A200D accelerometers which are used in the level axes of the RGSS, or the error in the reference value of change in the east-west deflection provided for the analysis.

#### 2.4 Modified Off-Line Smoothing of the Deflection Change Estimates

Once the major characteristics of the error in the real-time deflection change estimates were identified, a more complete model of the error in the deflection change process was formulated and is summarized in Section 1.2. This model was then reviewed to arrive at alternate means of smoothing the real-time deflection change estimates. The 2 main conclusions that were made are that:

- Since vehicle heading change induces gyro drift rate change, breaking the test runs down into approximately straight line segments should reduce error in the smoothed estimates of the deflection change
- estimates of the deflection change as time increases, breaking the test runs down into shorter legs with reduced running time should reduce error in the estimates. The theoretical background for this conclusion is presented in Appendix A, "Optimal Smoothing of Integrated Exponentially-Correlated Noise". Note breaking Run 3 into 2 shorter segments will yield reduced curvature of the error trend over each segment yielding reduced error from the suspected accelerometer/stable element thermal transient.

It was also noted that accelerometer noise and error in the reference values of change in the deflection components have a somewhat equivalent effect on the smoothing process in that little can be done about their presence.

Having arrived at these conclusions, the data for the Category 1 and 2 test runs was smoothed in a modified manner to either reduce heading change and/or the time duration of the leg. The criterion used for judging the success of this modified processing was the RMS value of the error in the smoothed estimates of

the deflection change. The results of these experiments are summarized in Table II which displays the RMS values of the error in the smoothed estimates as originally processed and after modified processing.

As is evident from the table, elimination of heading changes reduced the error in the north-south deflection estimates substantially and improved somewhat on the average the estimates of the east-west deflections.

Reduction of the time duration of the test legs reduced the estimate error significantly for Run 3 but did not seem to benefit on the average the results for the rest of the runs.

The details of this data analysis are presented in the tables of Appendix G. The test runs of Category 3 were broken down in a similar manner and these results are also detailed in the tables of Appendix G. There was less flexibility in dealing with the Category 3 tests in that reference points were sparse along the course. In some cases only one choice was available to insplement the reduction.

TABLE II. RMS VALUES OF ERRORS IN THE SMOOTHED ESTIMATES OF THE DEFLECTION COMPONENTS

1000

Towns T

A CONTRACTOR OF THE PERSON OF

Run	RMS Value of Smoothe Estimate Errors for Original Runs	lue of Smoothed ite Errors for ginal Runs	RMS Value of Smoothed Estimate Errors for Runs with Major Heading Changes Removed	S Value of Smoothed stimate Errors for Runs with Major Heading Changes Removed	RMS Value of Smoothed Estimate Errors for Runs Divided into Multiple (Shorter Time Duration) Legs	MS Value of Smoothed Estimate Errors for Runs Divided into Multiple (Shorter Time Duration) Legs
Number	N-S (§ )	E-W (n)	N-S (§ )	E-W (1)	N-S (§ )	E-W (1)
3	4.5	3.6	NA	NA NA	2,3	1.3
₩	9.0	1.7	NA	NA	0.5	0.4
ī,	8.6	1.4	1.3	1.5	NA A	NA
9	6.9	3.5	1.8	1.0	NA	NA
۲-	5.0	1.9	1.4	1.4	NA	NA
1(1)	1.4	1.5	N.A	NA	1.7	1.1
2(2)	2.1	1.8	NA	NA	0.7	2.1
6	6.0	3.3	NA	NA	6.0	3.0

NA - Not Applicable

のできる。 「「「「「」」」というできる。 「「「」」「「」」「「」」「「」」「「」」「「」」「」」「「」」「」」「「」」「「」」「」」「「」」「」」「「」」「「」」「」」「「」」「」」「「」」「」

#### 2.5 General Organization of Test Data and Analytical Results in the Appendices

The real-time estimates of the deflection change for each of the 17 test runs defined in Table 1 above were smoothed in their original configuration. Also as defined in the table by the numbers with attached letters, segments were smoothed to effect the removal of vehicle heading change or time duration reduction. Computer printouts of the:

- Real-time Kalman estimates of the deflection change components
- Smoothed estimates of the deflection change components
- Error in the smoothed estimates of the deflection change components where fully definable (e.g., Category 1) from the provided reference deflections summarized in Appendix B.

for each test leg defined in Table 1 are given in Appendix C.

Calcomp plots of the same variables are given in Appendix D for the original configurations of the test runs and in Appendices E and F for the test runs as modified for vehicle heading change reduction and test leg time duration reduction, respectively.

A detailed side by side comparison of the results from the original and modified processing for the sets of test runs made over the same course is provided by the tables of Appendix G. In these tables, the errors in the smoothed estimates at those few points where reference deflections were provided (e.g., Categories 2 and 3) are also given.

A summary of the real-time estimates of the free-air gravity anomalies and their errors at the points where reference data was provided is given in the Tables of Appendix I.

Inspection of Table B-1 indicates that no reference values for the deflection components were provided for 27 intermediate stations. Appendix H presents a set of "best" estimates of the deflection components for these stations as derived from smoothed estimates obtained from the raw test data.

#### SECTION III

#### DISCUSSION

The analysis of the errors in the real-time and smoothed estimates of the deflection change components where reference change values were available (Category 1), provided valuable information regarding the error characteristics of the RGSS platform. In particular, level gyro drift rate sensitivity to vehicle heading change and possible level accelerometer/stable element thermal transient behavior were identified as error sources for further investigation. Elimination of such identifiable sources of potentially systematic error from the RGSS should be a major objective of an accuracy improvement program. Preliminary tests to determine the nature of platform drift rate change with vehicle heading change have indicated a portion of this error is systematic in nature. Exhaustive tests should be performed in the near future to clarify this issue. Appropriate compensation of heading sensitive drift rate change could allow a substantial reduction in the correlated platform drift rate error component discussed in Section 1.3 and Appendix A which represents the most fundamental limitation on performance at the present time.

Since only a minimal number of reference values were provided for a majority of the test runs, no effort was concentrated on these results except to look for repeatability at individual points and derive "best" estimates from the set of values obtained.

A major area of uncertainty in the analysis was the contribution to error of the:

- Reference deflection values
- Accelerometer bias shift

The error in the reference values of change in the deflection components potentially contribute 0.7  $\sec$  (1 $\sigma$ ) and the accelerometer bias shift potentially contributes 1.2  $\sec$  (1 $\sigma$ ) of error to the smoothed estimates. This level of error contribution somewhat clouds the determination of what the accuracy of the RGSS can be under optimal utilization since performance in this range was apparently obtained (Legs 4A and 4B of Run 4).

#### SECTION IV

#### CONCLUSIONS

The major conclusions reached in this study are that:

- The east gyro drift rate and to a lesser extent the north gyro drift rate, changes with vehicle heading. Whether or not this change is systematic in nature is unknown
- Accelerometer/stable element thermal transients are potentially a significant source of degradation in the deflection change measurements
- The ultimate deflection recovery capability of the present RGSS when properly employed may be 0.5 to 1 sec RMS
- The ultimate deflection recovery capability of the present RGSS is not determinable due to the presence of accelerometer noise and error in the reference deflection values used to assess system performance.

#### SECTION V

#### RECOMMENDATIONS

The results of this interim study lead to the following recommendations for improving and further assessing system performance:

- Provide reference values of the deflections at the points in those runs where no error analysis of the measurement data was possible to determine if the interim conclusions drawn above remain valid.
- Determine through careful and repeated measurements whether or not the change in level gyro drift rate with vehicle heading change is systematic in nature.
- Determine through testing whether or not an initial extended duration (several hours) thermal transient in the level accelerometer bias or sensing axis direction exists and if so whether or not this effect can be systematically related to ambient temperature.
- Determine through testing the noise characteristic of level axes

  (A200D) accelerometers and the presence of any bias shift due to
  platform case heading change. Alternatively, A1000 accelerometers
  with a demonstrated low noise characteristic could be installed in
  the level axes, reducing this source of uncertainty in the data analysis.

  Other factors as thermal and vibration sensitivity will also have
  to be reviewed in this latter case.
- Select a pair of gyros with particularly low random drift characteristics for replacement of the present RGSS gyros in particular the east-azimuth gyro which appears to be the noisiest of the present pair.
- Perform any further testing of the RGSS in an area where the deflection values are more precisely known such that this source of uncertainty in the data analysis can be reduced.

## APPENDIX A OPTIMAL SMOOTHING OF INTEGRATED EXPONENTIALLY-CORRELATED NOISE

Change in platform tilt relative to the mathematical figure of the earth employed in the inertial system navigation equations can be in part characterized as the integral of a correlated noise representing the gyro drift. Such a system is expressed mathematically as:

$$\frac{\mathrm{d}}{\mathrm{d}t}(x) = Ax + \xi$$

$$\mathbf{x} = \begin{bmatrix} \phi \\ \mathbf{d} \end{bmatrix} \qquad \qquad \mathbf{\xi} = \begin{bmatrix} 0 \\ \mathbf{c} \end{bmatrix}$$

$$A = \begin{bmatrix} 0 & 1 \\ 0 & -\alpha \end{bmatrix}$$

$$E[\varepsilon(\mu) \varepsilon(\nu)] = 2\alpha \sigma_{d}^{2} \delta(\mu - \nu)$$

- φ is the change in platform tilt due to correlated gyro drift rate
- d is the correlated gyro drift rate with variance  $0 \frac{2}{d}$  and correlation time  $\tau = \alpha^{-1}$

The covariance matrix representing the statistical propagation of the above process with time is given by the solution to the following differential equation:

$$\frac{d}{dt} [\Sigma] = A\Sigma + \Sigma A^{T} + Q$$

where:

$$\Sigma(0) = \begin{bmatrix} 0 & 0 \\ 0 & \sigma_{\mathbf{d}}^2 \end{bmatrix}$$

$$Q = \begin{bmatrix} 0 & 0 \\ \\ 0 & 2\alpha\sigma_{d}^{2} \end{bmatrix}$$

The solution to this equation is:

$$\Sigma_{11}(t) = 2\sigma_{d}^{2}\alpha^{-2} \left[\alpha t + \exp(-\alpha t) - 1\right]$$

$$\Sigma_{12}(t) = \sigma_{d}^{2}\alpha^{-1} \left[1 - \exp(-\alpha t)\right]$$

$$\Sigma_{22}(t) = \sigma_{d}^{2}$$

Observation of the tilt change after a time interval t=T, offers the opportunity to estimate the prior history of the tilt change and the correlated gyro drift rate via optimal smoothing. The estimates of these states obtained via optimal smoothing assuming a perfectly observed tilt change are:

$$\mathbf{x}_{\mathbf{S}}(\mathbf{t} \mid \mathbf{T}) = \begin{bmatrix} \phi(\mathbf{t} \mid \mathbf{T}) \\ \\ \\ \\ \\ \\ \end{bmatrix} = \begin{bmatrix} \frac{\phi(\mathbf{T})}{\mathbf{D}} \end{bmatrix} \begin{bmatrix} [2\alpha \mathbf{t} + \exp(-\alpha \mathbf{t}) - 1 + \exp(-\alpha \mathbf{T})[1 - \exp(\alpha \mathbf{t})]] \\ \\ [\alpha[2 - \exp(-\alpha \mathbf{t}) - \exp(\alpha(\mathbf{t} - \mathbf{T}))]] \end{bmatrix}$$

where:

 $\phi(T)$  is the tilt change observed at t = T

$$D \stackrel{\triangle}{=} 2[\alpha T - 1 + \exp(-\alpha T)]$$

The solution for the covariance matrix for the adjoint vector of the above process is expressed:

$$\Lambda_{11}(t) = \left[\frac{1}{\Sigma_{11}(T)}\right]$$

$$\Lambda_{12}(t) = \left[\frac{\left[1 - \exp\left(\alpha(t - T)\right)\right]}{\alpha \Sigma_{11}(T)}\right]$$

$$\Lambda_{22}(t) = \left[\frac{\left[1 - \exp\left(\alpha(t - T)\right)\right]^2}{\alpha^2 \Sigma_{11}(T)}\right]$$

The covariance matrix  $\Sigma_s(t\mid T)$ , of the errors  $\delta x(t)$ , in the smoothed estimates  $x_s(t\mid T)$ , of the state vector x(t), is given by

$$\Sigma_{s}(t|T) = E[\delta x(t) > < \delta x(t)] = [I - \Sigma(t) \Lambda(t)] \Sigma(t)$$

Plots of the  $(1\sigma)$  values of the error in the smoothed estimates are given in normalized form in the graphs below for a number time intervals, T. Also shown for reference in Figs. A. 1 and A. 2 is the  $(1\sigma)$  values of the tilt change prior to smoothing.

Inspection of the curves for the normalized (10) value of the error in the integrated correlated noise after smoothing indicates that they are approximated by parabolas of the form:

$$\begin{bmatrix} \frac{\sigma}{\phi_{s}} \\ \frac{\tau}{\sigma_{d}} \end{bmatrix} \approx \begin{bmatrix} \frac{\sigma}{\phi_{s}} & (\max) \\ \frac{\tau}{\sigma_{d}} & \end{bmatrix} \begin{bmatrix} \frac{t}{n\tau} \end{bmatrix} \begin{bmatrix} 1 - \left(\frac{t}{n\tau}\right) \end{bmatrix} \approx 4k t^{*} (1 - t^{*})$$

where:

$$k \stackrel{\Delta}{=} \left[ \frac{\sigma_{\phi s}(max)}{\sigma_{d}} \right]$$

is the normalized maximum ( $1^{\circ}$ ) value of the error in the smoothed estimate of the correlated noise which occurs at the mid-point of the time interval ( $t = 0.5 \text{ n}^{\intercal}$ )

$$t^* \stackrel{\Delta}{=} \left[ \frac{t}{n^{\tau}} \right]$$

is the normalized mission time

Note as n increases the parabolas become circular arcs.

The time RMS of the error in the smoothed estimate defined as:

$$\frac{1}{\sigma_{\phi_s}} \stackrel{\Delta}{=} \left[ \frac{1}{T} \int_0^T \sigma_{\phi_s}^2 dt \right] = 4k\tau\sigma_d \left[ \int_0^1 \left[t^*(1-t^*)\right]^2 dt^* \right]^{1/2}$$

is;

$$\overline{\sigma_{\phi_s}} = [\sigma_{\phi_s}(max)] \sqrt{\frac{8}{15}} \approx 0.73 \sigma_{\phi_s}(max)$$

To illustrate use of the figures consider the case where:

Employing the curve for n = 1 yields:

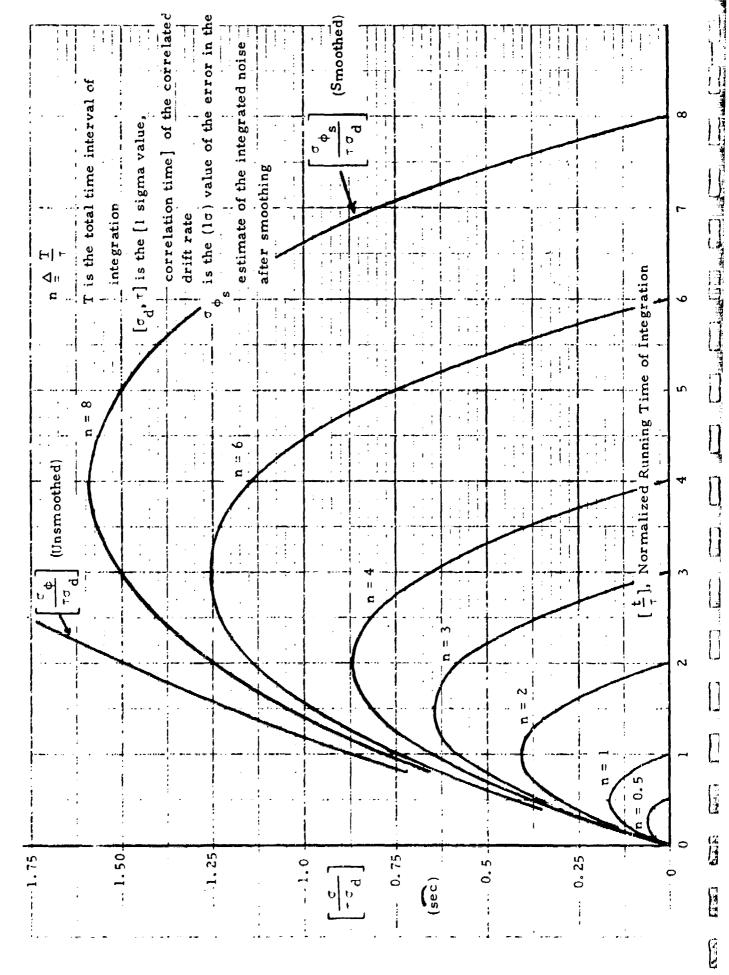
 $k \approx 0.17$ 

Hence:

and

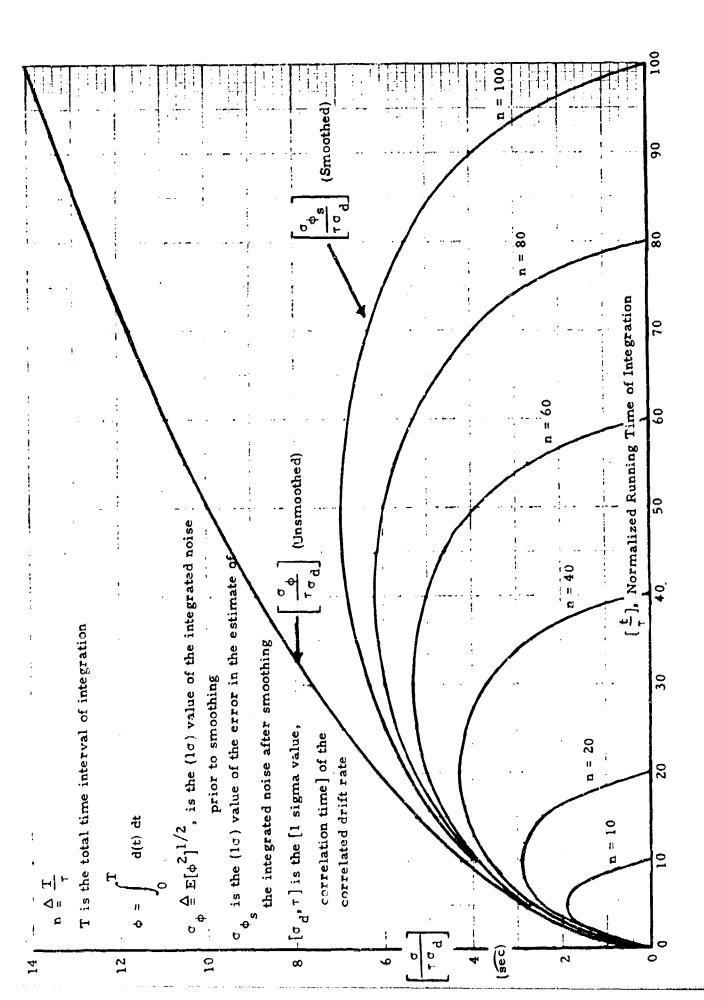
$$\sigma_{\phi_g}(\text{max}) \approx 1.2 \ \widehat{\text{sec}}$$

Normalized Error (10) in the Smoothed Estimates of Integrated Correlated Noise Versus Normalized Running Time with Normalized Total Time of Integration as a Parameter. Figure A-1.

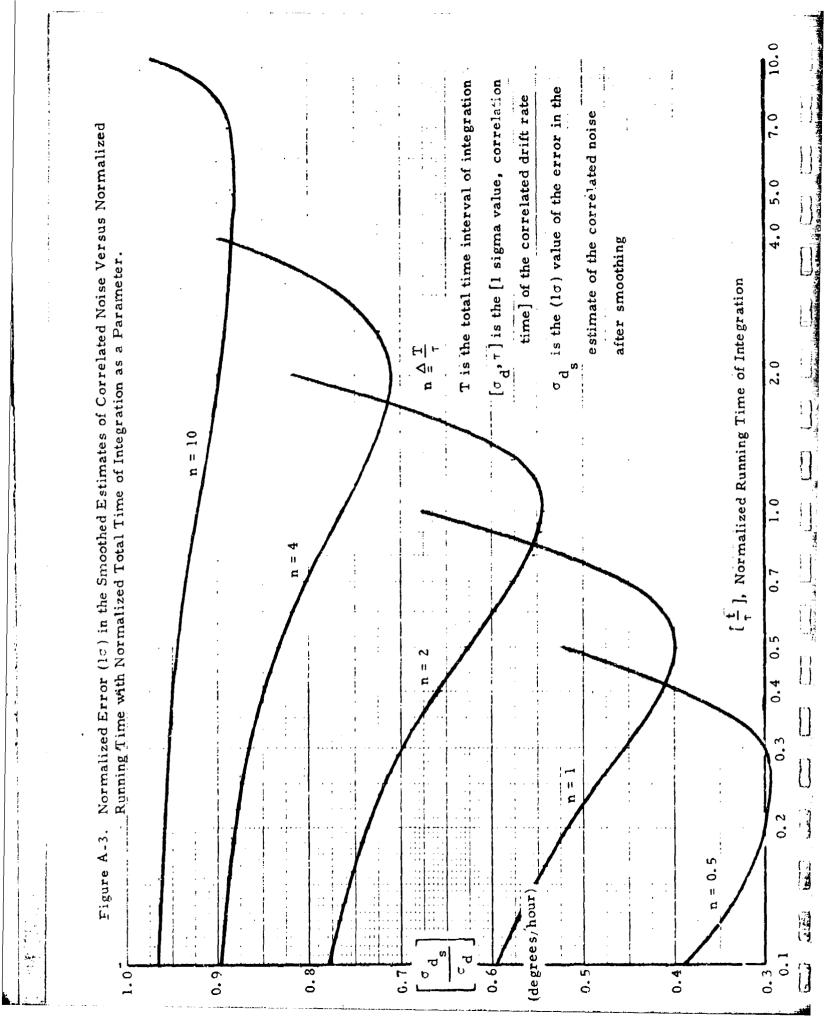


Normalized Error (10) in the Smoothed Estimates of Integrated Correlated Noise Versus Normalized Running Time with Normalized Total Time of Integration as a Parameter Figure A-2. ļ 

0



THE RESERVE THE PROPERTY OF TH



= 100is the (10) value of the error in the estimate of the correlated Normalized Error ( $1\sigma$ ) in the Smoothed Estimates of Correlated Noise Versus Normalized Running Time with Normalized Total Time of Integration as a Parameter  $[\sigma_{\mathbf{d}}, \tau]$  is the [1 sigma value, correlation time] of the = 80 80 T is the total time interval of integration 2  $[\frac{t}{t}]$ , Normalized Running Time of Integration correlated drift rate 9 noise after smoothing 9 = 50.. 20 4" □| -40 n = 3030 n = 2020 Figure A-4. n = 1010 ees/hour) 10 dd de gr 0.92 9. S 0.00 b 0.98 0.96 0.88

### APPENDIX B

### REFERENCE VALUES FOR THE VERTICAL DEFLECTION COMPONENTS AND THE FREE-AIR GRAVITY ANOMALY

All of the individual reference points where data was recorded during the 17 missions are included in Table B-1. In addition to the reference point name, a station identification number was assigned when data was marked and recorded on the cassette. Several of the stations received numerous ID numbers, as noted in Table B-1. All of the reference vertical deflection component values and free-air gravity anomaly values are the best known values provided to Litton. At the time of publication, the following updated values to N-S and E-W deflection were obtained. The old values noted below were used in the analysis of the data.

	N-S	5 (5)	$\mathbf{E}$ - $\mathbf{W}$	(M)
Station Name	Old	New	Old	New
OASIS	-2.3	-2.0	10.1	10.02
OTERO ECC	-1.2	-1.18	4.6	4.61
SANDS SW BASE	No Cha	ange	-1.69	-2.08
MORGAN	-4.3	-4.31	No Ch	ange
EAST	-1.3	-1.31	-8.3	-8.26

TABLE B-1
THE NORTH-SOUTH AND EAST-% EST DEFLECTION OF THE VERTICAL
AND FREE AIR GRAVITY ANOMALY REFERENCE VALUES GIVEN FOR
THE DATA POINTS USED AT THE WHITE SANDS TEST COURSE

A STATE OF THE PROPERTY OF THE

	5	Deflection	Deflection	Gravity Anomaly	Camera
	Number	(Arc-sec)	(Arc-sec)	Values (milligals)	Station
1		-2.77	14.97		
C/I	2/27	-2.0	10.02	-18.1	
~	3/201	-1.33	9.33		
0	4/202/29	-1.64	5.56	-33.3	
5,/31		-1.99	4.87	-47.3	
	6/1/203	-4.29	-1.46		
r-		-6.55	-5.44		
oc		-7.47	-8.86	-35.2	
		-9.37	-10.89		
		-2.43	80.5 -		
		-1.88	- 6.83		
		-0.58	- 6.15		
		1.46	- 8.16		yes
		0.98	- 8.56	-22.7	
		0.34	8.99	5.6	
		1.67	- 7.38	4.9	yes
		1.65	- 6.37		
		-1.40	91.8 -		:
11		-1.14	-11.07		
12		-4.08	-10.35	-21.7	yes
13		-6.78	- 8.37		
4.		-6.53	- 7.64		
15		-6.31	- 5.64		
_					-
r)				-22.2	
ć		96.0-	6.39		
4					
u^		-1.18	4.61	-26.3	
9					
ţw.		-2.28	2.55		
<b>8</b> 0					
σ					
01		-4.44	- 2.08	-41.2	
1.1	•	-5.27	3.0		
13		-4.31	- 6.89		
13		-1.31	- 8.26		yes
2001		-0.4	- 0.35	-43.0	
6000	_			-42.24	

IPS-2	σ		<del></del>		
C-322	o.	-			
SANDS S.W. BASE	10	-4.44	- 2.08	-41.2	
TRAVES	11	-5.27	3.0		-
MORGAN	12	-4.31	68.9		
EASY	13	-1.31	- 8.26		yes
BEASLEY	2001	-0.4	- 0.35	-43.0	
Z-335	2002			-42.24	
Y-335	2003			-42.19	
X-335	2004			-41.65	_
W-335	2005	-6.35	- 0.3	-40.26	
V-335	2006/2038			-37.62	
566-5	2002/2037			-34.77	
NED	2035	-1.34	0.05	-29.96	
YB-60	2034			-28.50	
YB-59	2033			-27.76	
YB-58	2032/3032			-25.36	
YB-57	2031	•		-23.51	
M-334	2023	-	-	-23.32	
L-334	2022			-25.92	
K-334	2021			-27.56	
FIRE RM-1	2049		-		
II-334	2020			-29.11	
F-334	2010			-26.69	
HUEY	2018	-1.95	7.87	-17.76	
NW-50	504				
TS-204-2	205				
TS-344	206				<del>.,</del>
SW-70	207		-		
BASIN	208	-6.93	- 0.13		
G-237	200				
TS-857	210	-7.75	2.55		
K-237	21!				
JACK	22	-3.35	10.74		
MONUMENT 14	92				
IPS-3	3				
G-48	30	_	_		
LAR ASTRO	14	2.53	- 6.73		

NOTE 1 - Deflections may be off by one to two arc-seconds.

### APPENDIX C

OFF-LINE SMOOTHER ESTIMATES OF CHANGE AND ERRORS IN THE CHANGE OF THE VERTICAL DEFLECTION COMPONENTS

Contained in this Appendix are the computer printouts for each original and modified mission as generated by the off-line smoother. They are presented in alpha-numerical order. From the observed error in the estimate of the change in the deflection of the vertical at the mission closure, estimates of platform drift rates (E, N, Z) are generated by the smoother and are printed at the top of each table. These are the estimates used to smooth the real time estimates of change in the deflection (DE and DN) which are recorded at the marks throughout the mission and are listed in the third and fourth data columns. The next two columns (5 and 6) contain the estimate from the smoother of the real time estimate of change in deflection of the vertical due to the above computed platform drift rate estimates. Columns 7 and 8 are the smoothed estimate of change, which is generated by correcting the real-time estimate with the estimated contribution due to platform drift rate obtained from the smoother.

For missions where sufficient reference data was available, columns 9 through 12 are included. Columns 9 and 10 contain the reference value of change for the deflections of the vertical and Columns 11 and 12 show the resulting error between the smoothed estimate of change and the reference value of change. The RMS value of the differences in columns 11 and 12 are shown at the bottom of the columns, respectively.

and the second s

:

!;

{}

# 6YRO-DRIFT RATE EST. VALUES(...)N.Z) (DEGREES/HOUR) 2.36424F-03 1.25784F-03-1.46629E-04

ST. OF	(DHS)	(2)	E-1		
SMOOTHED EST. OF	CHANGE	(ARC-SE	S-N		
CST. FHOM SMOOTHER OF	FRHUR IN REAL-TIME EST.	OF CHANGE IN DEFL. DUE	TO DRIFT RATE EST.	(DUHR) (ARC-SEC)	3-U S-2
REAL-TIME EST. OF	CHANGE (DHR)	(ARC-SEC)	N-N S-N		
TIME	(SEC)				
c I	NUMBER				

	0		9	0	0	0	0	0				
0.0	-1.727	-1.610	-3.798E	-5.4196	-7.189	-8,354	-9,5401	-1.085	-1.524	-1,318	-6.815	-6.725
0.0		359E-	-4.961E-01	.761E	.294E	856E	.628E	.243E	.503E	.062E	•	.502E-0
	10-3		00									
0.0	6.771	1.022	1.618E	2.091	2.521	2.945	3.329	3,735	4.909	5.622	6.535	6.564
			<b>ပ</b>						•			
0.0	-1.30dE	-2.003E	-3.253E	-4.294E	.5.281E	•	-7.25 BE	•	•	•	-1.767E	
	00	٦ -	00	00	00	00	S	00	0	00	-01	-01
0.0	-1.050E	-5.874E	-2.179E (	-3.328E	-4.668E	-5.4U9E	-6.211E	-7.112E	-1.033E	-7.559E	-2.795E	-1.611E
	-01	0.0				0.1						
0.0	-5.7A3E	-2.639E	-3.750E	-6.055E	-8.575E	-1.0156	-1 . 289E	-1.356E	-1.422E	-1.203E	-1.711E	-1,725E
•	550.	839.	1356.	1782.	2184.	2596.	2984.	3411.	4773.	5726.	7173.	7225.
10003.	*	S	•9	7.	œ œ	•	10.	11.	12.	13.	202001.	22001.

(ARC-SEC) OF CHANGE IN DEFL. DUE  N-S E-W TO URIFT RATE EST.  (DUHR) (AKC-SEC)  N-S E-W  N-S E-W  S505.783E-01 -1.050E 00 -1.717E 00 4.229E-01 1.14	SEC)	0.0 A -1.473E 00 2 -1.218E 00
		0.0 1.1396 0-1.425E-0
() () () () () () () () () () () () () (	AL-TIME CST. N DEFL. DUE TE EST. KC-SEC)	0.0 4.229E-01 6.308E-01
() 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ERHOR IN REOF CHANGE ICOURS (AL	0.0 -1.717E 00 -2.625E 00
() () () () () () () () () () () () () (		0.0 -1.050E 00 -5.874E-01
() 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CAANGE (ARCIS	0.0 -5.783E-01 -2.639E 00
20 00 00 00 00 00 00 00 00 00 00 00 00 0	(SEC)	000
	NUNCHE DE CO	10003. 4.

-4.563E -6.128E -7.077E -8.057E

-3,155E

4.9928-01 -4.627E-01 -1.715E -1.995E -3.505E

9.757E-01 1.235E

-4.249E -5.593E -6.860E

-2.179E

-3,328E -4.66BE

00

-6.055E

78E. 2184.

\*8.575 -1.01

-3.750E

356.

0

00

1.668E 1.846E

-8.158E -9.381E

-6.211E

-1.289E

2984

20010.

2596.

-5.409E

1.460E

1

1

: : • •

5 }

SYRU-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/MOUR)	1.89407F-63 i.26810E-03-6.65542E-05
SYRU-BRIFT RATE E	1-89407F-03 1-26

RUN #1B

[ ;

{ }

!

1 E.

THE T

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC)	<del>**</del>
FST. FROM SMOOTHER OF SERNOR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE	TO UNITY RATE EST. (DUHR) (ARC-SEC) N=5 E-W
REAL-TIME EST. OF CMANGE (DHR) (ARC-SEC)	N-N
IO TIME NUMBER (SEC)	

	00	00	00	00	00
0.0	-1.435E	-6.261E	6.216E 00 -4.537E 0	1,296E	1.365E
	-01	00	00	9	00
0.0	1.367E	2,130E	6.216E	4.064E	4.02BE
	-03	00	00	00	00
0.0	5.346E	2.147E	0 3.190E 00	4.636E	4.684E
	-03	00	0	00	00
0.0	-8.134E-	-3c465E	8.539E-01 -1.348E 00 -5.362E 00	-8.284E	-8+384E
	10-	00	0	0	Ģ
0.0	-9.001E	-4.134E	-1.348E	5.932E	ۥ050E
	-03	<b>0</b>	-01	0	00
0.0	-6.768E	-1,335E	8.534E	-4.220E	-4.362E
•	427.	1789.	2742.	4190	
10010.	11.	12.	•£~	2020J.	.16022

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 1.73558F-63 1.77401F-03-1.03266E-04

SMOOTHED EST. OF CHANGE (DMS) (ARC-SEC) N-S E-W	-8.243E-02 -1.374E-01 1.245E 00 -2.669E 00 1.256E 00 -4.633E 00 9.317E-01 -4.966E 00 1.661E 00 -7.297E 00 8.942E-01 -7.297E 00 2.214E 00 -8.844E 00 2.214E 00 -8.262E 00 1.728E 00 -8.262E 00 1.701E 00 -8.164E 00 1.375E 00 -8.164E 00	
SMCOTHER OF EAL-TIME EST IN DEFL. DUE ATE EST. ARC-SEC)	0.0 1.278E-01 2.234E 00 2.234E 00 3.330E 00 3.330E 00 5.131E 00 5.517E 00 7.748E 00	11111
FST. FROM SM FRROR IN REA OF CHANGE IN TO DRIFT RAT (DUHR) (AR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
4E EST • OF € (O+R) • S€C) E-4	00 -2.3 4 1E 00 -2.3 4 4 E 00 -2.3 1 5 E = 00 00 -3.3 5 1 5 E = 00 00 -3.3 5 1 5 E = 00 00 -4.3 1 5 E = 00 00 00 00 00 00 00 00 00 00 00 00 0	<b>リン・ハーナ</b> コ
A CANADA		トノニャ
SEC.		,
CI MIN CI		-

-7.208E -8.225E -8.196E 2.369E 1.541E 1.890E 00 90 00 9.447E 9.921E 9.99RE ~ ~ -1.156E -1.224F -1.239E 2.239E 1.696E 1.792E Ç 50 3201.6--1-040E -1.0A5E 6073. 6485. 7.49 202081. 2002

1.994E

00 00 00 00 00 0

-7.642E -7.454E

00 00 00 000 Ç

7.04BE 7.748E 8.093E 8.447E A. 793E 9.131E

00 000 5 0 10

-7.47BE -8.130E -9.091E -9.576F -1.00BE -1.059E inite!-

-4.115E-01 4.510E-01 9.029E-81 8.4826-01

-7.717E -8.529E

O. O

> -7.733E 3805.8--9.734E

5335.

2005.

5081.

5587.

2004.

2503

5837.

-7.137E

-7.945E

1.988E 1.353E

2.350E

.

State of the Later of

.

1 :  $\mathbf{f}_{-j}$ 

İ

RUN #2(1)A

**(** )

30	DHS)	û	E W		
AND THEN EST. OF		(ARC-SEC)	S-2		
i,	EST.	DUE			
	SERVER IN NEWL-IIME EST.	IN DEFL.	HETE EST.	CODARO (ARC-SEC)	F-4
ACTU LOU	Z TOXAU	OF CHANGE	TO CHIFT	3400J	<b>∧•</b> >
	(SHR)	SEC)	i ii		
No tan sustained of	CHANGE (UHA)	(AHC-SEC)	S-7		
) I L	(SEC)				
	NUMPED				

	~o-	00	0	0	00	00	00	00	00	00	0	0
0.0	-1.1316-	-2,369E	-4.206E	-4.457E	-6.65BE	-6.825E	-8.000E	-8.233E	-7.9J7E	-7.101E	-7.339E	-7.791E
0.0	-9.853E-02	1.038E 00	9.5575-01	5.688E-01	1.198E 00	3.5948-01	4.4548-01	1.828E 00	1.393E 00	8.234E-01	1.424E 00	5.996E-01
	[O-	00									00	
٠ ٠	1.036E	1.277E	1.808E	2.155	2.691E	3.085E	3.5395	4.140E	4.450E	4.828E	5.285	5.675£
	-01	ပ ၁	9	3	00				00	00	00	00
0.0	-1.093E-	-1.393E	-2.001E	-2.40YE	-3.055E	-3.34UE	-4.115E	3468.4-	-5.314E	2	-6.469E	-7.024E
	-03	3	0	3	၁	00		00	Ó	00	00	Ć C)
0.0	-9.5128-	-1.092E	-2.399E	-2.302E	-3.96TE	-3.741E	-4.462E	-4.144E	-3.457E	-2.273E	-2.054E	-2.116E
	10-	-01	ç		0			Ö			00	00
0	-2.079E	-3.549E	-1.045E	-1.840E	-1.857E	-3.181E	-3.564E	-3.071E	-3.921E	-5.007E	-5.045E	3064.9-
ů	12.	905	1292.	1545.	1951.	2251.	2603.	3079.	3329.	3638.	.610*	4351.
12018.	102018.	2019.	2020.	2049.	2021.	2025.	2023.	2031.	3032	2033.	2034.	22035.

## GYRO-DRIFT RAIE EST. VALUES(E.N.Z) (DEGRELS/HOUR) 2.41894E-03 2.07905E-03-4.183716-05

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W
OF EST. DUE
EST. FROM SMOOTHER OF SIEROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO URIFT MATE EST. (DUHR) (ARC-SEC)
EST. FKO ERKUR IN OF CHANG TO URITT (DUHK)
REAL-TIME EST. OF CHANGE (DHR) (ARC-SEC) N-S
REAL-TIME ES CHANGE (DH (ARC-SEC) N-S
TIME (SEC)
NUMBER

0.0	7.048E-01	1.074E 00	1.109E 00	4.666E-01	1.125E 00	9,156E-01	-3.118E-01	-3.135E-01
0.0	·1.020E	-3,122E-01	1.115	8.406E	3.74BE	1.515E	1.232E	9.108E-01
	.0	1.493E 00 -	00	00	00	00	0	00
0.0	-1.185E	00 -1.787E 00	-2.418E	-3.049E	-3.679E	-4.271E	-5.20 UE	-5.333E
0.0	1.704E	2.566E	3.108E	2.964E	4.110E	4.354E	3.812E	3.907£
0.0		-2.09E 00						
		730.		•	_	•	. •	•
12035.	2007	7000	2005	7007	2003	2002	202001.	22001.

GYRO-DRIFT HAIE EST. VALUES(E:N:2) (DEGREES/HOUR) 1.91883F-n3 2.91882F-U3-1.30538E-04

151. OF (DHS)	E -
SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC)	S - S
EST. FHUM SMOOTHER OF SERKUR IN MEAL-TIME EST. OF CHANGE IN DEFL. DUE	TO URIFT WATE EST. (UUHK) (ARC-SEC) N-5
HEAL-IIME EST. OF CHANGE (DHM) (AMC-SEC)	N-7
TIME (SEC)	
IDNUMMER	

	00	00	00	00	00		00	00	00	00	00
0.0	-4.008E	->.635E	-2.783E	-5.165E	-1.118E	-5.368E-	1.370E	2.595E	4.747E	5.113E	6.777E
-		00									-0
0.0	-2.511E	-6.293E	-7.284E	-6.862E	-6.232E	-4.528t	-4.143E	-2.794E	-2. 425E	-2.054E	-5.716E
	00							0			
0.0	5.473E	7.396E	9.982E	1.087E	1.182E	1.272E	1.355E	1.443E	1.607E	1.663E	1.800E
	00	9	00	3	9	70	g	7	0	<b>.</b>	70
0.0	-3.905E	-5.429E	-7.60bE	-d.386E	-9.249E	-1.00bE	-1.08/E	-1.17EE	-1.335E	-1.3946	-1.53dE
	0	2									10
0.0	1.464E	1.701E	7.19HE	H. 703E	1.070E	1.24HE	1.492E	1.702E	Z.OBIE	2.175£	2.474E
	٥	0	וס	[	6	- C		6		[	- C
0 0	-6.410E	-1.172E	-1.489E	-1.525E	-1.548E	-1.4615	-1.501E	-1.451	-1.628E	1666	-1.5.55
0	1 424	2027	3547	3437	4307	4001	4441	5345	6109	6627	6841.
126.01.		12.		0.0	6		7.	, de	, u	4	20003

是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们

	10 . I	HS)	<b>.</b>	E-M		
	SMOOTHED EST. OF			S-N		
	0F	EST.	OUE			
	EST. FROM SMOOTHER OF	HEAL-TIME	IN DEFL.	HATE EST.	(UDHH) (ARC-SEC)	E-1
	FACH	N7 2	HANGE	7112	ŶĘ	ハーハ
	EST.	FREC	OF C	10 C	3	
•	EST. OF	(DHK)	(C)	E-M		
	REAL-TIME EST. OF	CHANGE	(ARC-SEC)	N-S		
•	TIME	(SEC)				
	16	NUTHER				

000 9629°- 00 00 -5.091E 00 -1.990E 00 -1.278E 0.0 -4.712E 00 -1.109E -4.393E -4.060E 0.0 000 00 5.093E 6.852E 9.1898 9.982E 0.0 000 -5.307E -1.018E -1-119E -7.32YE 0.0 00 00 30 1.464E 8.703E 1.7618 7.198E 0.0 000 -6.416E -1.489E -1.525E -1.172E 0.0 1924. 2647. 3597. 3937. 13. 12001. 20010.

.

1

· 教育の日本の日本の日本の日本の日本の日本の日日の日本の一年の日日本日本

}

( )

## GYRO-DRIFT RAIE EST. VALUES(E,N.2) (DEGREES/HOUR) 1.24301F-03 2.80299E-03-3.35319E-05

9	1 1
EST. (DHS)	,
SMOOTHED EST. OF CHANGE (DHS)	5 5 5 5 7 7
OF EST.	3
OM SMOOTHER V REAL-TIME	TO UNIFT RATE EST. (DUHK) (ARC-SEC)
EST. FR	TO CHILL SING
	38 1 W
REAL-TIME EST. OF CHANGE (DHR)	(PXC-18FC)
TIME (SEC)	
IO NUMHER	

		1.765E 00					
0.0	2.5156-01	1.598E 00	1.653E 00	2.654E 00	1.875E 00	2.521E 00	3.465E 00
0.0		2.016E 00					
0.0	-4.823E-01	-9.5766-11			-2.402E 00		
	9	3.781E 00	00	00	7	0	ຕ
0.0	-2.308E-01	6.404E-01	2.406E-01	7.406E-01	-1.027E 00	-7.396E-0]	-7.064E-01
•		724.					
10010.	<b>6</b>	89	<b>.</b>	•	ů.	÷	20003.

UR)	
(DEGREES/HOUR	
CDEGI	₩0-
TRO-DRIFT RATE EST. VALUES(E.N.Z) (D)	3.80510E-03-2.55027E-0
VALUES	-03-2
EST.	80510E
I RATE	-03 34
O-DRIF	.38041F-03
Ě	é

ERROR IN DEFL. CHANGE (ARC-SEC) N-S E-W	-01 0.0
REF. VALUE OF CHANGE (ARC-SEC) N+S E-W	0.0 4.700E-01 -4.870E 00 1.440E 00 -5.640E 00 1.130E 00 -5.410E 00 7.400E-01 -1.643E 01 -3.780E 00 -2.983E 01 -4.700E 00 -2.383E 01 -6.600E 00 -2.586E 01
SMOOTHED EST. OF CHANGE (DMS) (ARC-SEC) N-S E-W	0.0 3.123E-01 -3.768E-01 -2.086E-01 0.0 4.175E 01 -3.768E-01 -6.823E 00 4.175E 01 -3.254F 00 -7.791E 00 1.096E 01 -3.254E 00 -1.464E 01 1.344E 01 -4.175E 00 -1.464E 01 1.344E 01 -4.175E 00 -2.464E 01 -1.2613E 01 -9.306E 00 -2.464E 01 -1.2613E 01 -8.176E 00 -2.5681E 01 -4.3109E 01 -7.590E 00 -2.5681E 01 -6.31349E 01 -6.683E 00 -2.563E 01 -6.3149E 01 -6.613E 00 -2.563E 01 -6.3149E 01 -6.513E 00 -2.563E 01 -6.513E 00 -6.513E 01 -6.513E 00 -6.513E 00 -6.513E 00 -6.513E 00 -6.513E 00 -6.513E
FST. FHOM SMOOTHER OF FROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DAIFT RATE EST. (DDHR) (ARC-SEC)	
PEAL-TIME EST. OF CHANGE (CHR) (ARC-SEC) N-S R-W	0.0 -5.730E-01 1.037E-01 -7.715E 00 -2.549E 00 -7.716E 00 1.4.27E-01 -1.406E 01 -1.201E 00 -2.261E 01 -2.574E 00 -2.732E 01 -2.574E 00 -3.035E 01 -2.553E 00 -3.555E 01 5.366E 00 -3.555E 01 5.378E 00
ID TIME NUMPER (SEC)	10001. 10001. 2. 1113. 2. 2145. 4. 2999. 5. 3718. 6. 5355. 7. 6391. 8. 7691. 9. 9584. 20009. 9584.

RMS FOR 11 POINTS: 3.610E 00 2.925E 00

1 Table 1

6480-DRIFT RATE EST. VALUES(E.N.Z) (DESPEES/HNUM) 3.82262F-03 2.66634F-03-1.16524r-04

REF. VALUE OF CHANGE EPROB IN DEFL. CHANGE (APC-SEC)  N=S F-W N=S F-W	-2.545F-01 -1.150E-01 00 -2.757F-01 -6.532E-01 00 -7.297F-01 4.157F-01 00 -4.349F-01 6.701E-01 01 -2.811F-02 6.274E-02
REF. VALUE OF CHANGE (ARC-SEC) N-S F-W	0.0 4.700E-01 -4.870E ( 1.40E 00 -5.640E ( 1.10E 00 -8.410E (
CHANGE (DHS) (ARC-SEC) (ARC-SEC) (ARC-SEC)	0.0 -2.595F-01 -1.150E-01 7.452E-01 -5.523F 00 7.103E-01 -5.224F 00 6.951E-01 -7.740F 00
FST. FHOM SMOOTHER OF ERROR IN REAL-TIME EST. OF CHANGE IN DEFL. DHF TO DWIFT RATE EST. (UDMR) (ARC-SEC)	0.0 1 -3.145F-01 2.197E-01 - 1.320F 00 2.875E 00 1 - 1.320F 00 5.367E 00 1 - 1.389F 00 1 7.301E 00 1 1.4825 01 8.836E 00
TIME REAL-TIME EST. OF (SEC) CHANGE (DHR) (ARC-SFC)	0. 0.0 6.0 6.0 75.00 0.0 7.0 0.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8
IO IO NUMPER (S	10001. 100001. 2. 11 3. 21

ANG FOR 5 POINTS: 4.160F-01 4.617E-01

The state of the s

	8
	REF. VALUE OF CHANGE (ARC-SEC) N-S E-W
RUN #3B	SMOOTHED EST. OF CHANGE (DMS) (ARC.SEC) N-S
	TIME REAL-TIME FST, OF EST, FUND SKOOTWER OF SWOOTWED SST, OF (SEC) CHANGE (DMS)  (ARC-SEC) OF CHANGE IN DEFL. DUF (ARC-SEC)  N-S F-W TO DRIFT RATE EST. N-S
IIFT RATE EST. VALUFATE.N.Z) (DEAPEES/MOUR)	REAL-TIME EST. OF CHANGE (DHR) (ARC-SEC) N-S
1FT RATE E	TIME (SEC)

REF. VALUE OF CHANGE ERROR IN DEFL. CHANGE (ARC-SEC)  N=S E=W N=S E=W	0.0 6.54E nn -5.248E 00 -7.97F 00 -2.100E 00 -6.330E 00 -2.948E 00 -1.597E 00 1.05AE n1 -7.465E 00 -1.194F 01 -4.560E 00 -1.031E 01 -3.105E 00 -1.626E 00 1.550E n1 -7.660E 00 -1.553E 01 -5.480E 00 -1.373E 01 -2.120E 00 -1.802E 00 2.704E 01 -7.660E 00 -1.655E 01 -7.780E 00 -1.576E 01 -8.97E-01 -7.946E-01 2.774E 01 -7.431E 00 -1.579E 01 -7.780E 00 -1.576E 01 -5.075E-02 -2.547E-02 2.757E 01 -7.395E 00 -1.570E 01 -7.780E 00 -1.576E 01 -1.464E-02 6.063E-02
ALUE OF CHANG ARC-SEC) S	DE 00 -6.330E DE 00 -1.031E DE 00 -1.576E DE 00 -1.576E DE 00 -1.576E
	77E 00 -2.30 94F 01 -4.56 53E 01 -5.48 57E 01 -5.48 77E 01 -7.38 94F 01 -7.38
SMONTHED EST. CHANGE (DMS) (ARC-SEC) N-S	-5.248E 00 -7.99 -7.465E 00 -1.16 -7.660E 00 -1.56 -7.431E 00 -1.56 -7.395E 00 -1.55
FST. F-OM SKODIMER OF SMOOTHED EST. OF CRANGE (DMS) OF CHANGE IN DEFL. DUF (ARC-SEC) TO OPJET RATE EST. N-S E-W (DUAR) (ARC-SEC)	0.0 1-5.247 00 6.5546 nn 2-5.5956 00 1.0586 n1 2-8.684 00 1.5506 01 3-1.3315 01 2.2766 01 0-1.3716 01 2.276 01
TIME REAL-TIME EST, OF (SEC) CHANGE (DHR) (ARC-SEC) N-S F-V	16379.545E 0r -1.373E 0u -3.297F 00 26731.326E ri -1.352E 0v -5.595E 00 39731.659E 01 -5.94E-02 -8.684F 00 57752.159E rl 5.487E 00 -1.333F 01 58062.099E rl 4.579E 00 -1.335F 01 59242.111E 01 6.870E 00 -1.371E 01
I N NJWQFR	10965. 7. 7. 8. 200069.

6 POINTS: 1.985E 00 1.230E 00

RUS FOR

The second branches

[]

1

i j

-7.267E-01 -2.037E 00 -6.542E-01 -6.362E-01 -1.863E 00 ERROR IN DEFL. CHANGE -2.226E -2.786E (ARC-SEC) -1.160E 00 5.677E-01 1.696E-01 -3.452E-01 -6.341E-01 4.974E-03 -3.628E-01 55 6 PEF. VALUE OF CHANGE 9.430E 2.099E 2.586E 2.030E 1.745E 5.450E 2.02E (AAC-SEC) 33 1.000E 2.820E 7.380E 8.040E 7.070E S.ORDE 7.730E 6.600E 8.0255-03 1.3945-03 3.5876-00 7.2046-00 1.2976-01 1.5416-01 2.026-01 2.585E SMOOTHED EST. OF CHANGE (DMS) (ARC-SEC) 000 8 000 1.660E 7.017E 6.407E .555E 4.446E 7.900E 8.045E 7.638E CRADE IN REAL-TIME EST.
OF CHANGE IN DEFL. DUF
TO DRIFT RATE EST.
(DDHR) (ARC-SEC)
N-S F-W EST. 5.313E-01 3.183E-01 5.492E-02 2.775E-02 5.571E-01 3.854E-01 -3.688E-01 -7.528E-01 -1.649E FST. FHOM SMOOTHER 200 200 6 -2.8505-01 -4.983F -2.647E -1.487E -2.271E -1.945F -9.676F -2.9165 -3.4.115 000 000 5 70 70 5 1.779E 7.736E 1.329E 1.920 1.547E 1.951E 2.420E REAL-TIME EST. OF CHANGE (THR) 4.144 (ARC-SFC) 2555 -2.089E-01 60 -3.4.28E -1.043E -1.2136 -1.4A1E -8.016E -1.843E -2.152E -2.77BE 1649. 2035. 3131. 5629. 6225. 7350. 4105. 7476. TIME (SEC) 4807. 100001 200001. 20001. NUMBER

1.473E 4.891E-01 10 POINTS: RWS FOR

-1.549E-02

4.600E

5.585E

-3.465E

5

2.4.0E

-2.807E

REF. VALUE OF CHANGE ERROR IN DEFL. C.(ANGE (ARC-SEC) (A	0.0 2.030E 00 -2.024E-01 6.798E-02 5.450E 00 -9.178E-01 -4.922E-01 9.430E 00 -3.231E-01 -1.100E-01 1.576E 01 -2.667E-02 -6.616E-03
OF CHANGE	0.0 2.030E 5.450E 00.430E
PEF. VALUE (ARC-S	0.0 1.000E 00 7.820E 00 7.790E 00
	0.0 4.824E-62 2.098E 00 4.320E 00 1.574E 01
CHANGE (AAC-SI	0.0 8.528E-02 1.698E 00 1.902E 00 4.757E 00
CCT. F-OM SMCOTMER DE CRANDE IN REAL-IME EST. OF CHANGE IN DEFL. DUE TO USIFI RATE EST. (DDMR) (AMC-SEC)	0.0 3.5776-02 -2.9426-01 -1.2476-02 8.5286-02 4.8246-62 0.0 1.7746 00 -5.1266 06 -3.1446-01 1.4986 00 2.0986 00 1.9006 00 4.1446 00 -9.9186 00 -4.1376-01 1.9026 00 4.9546 00 2.4206 00 7.7365 00 -1.5196 01 -1.5446 01 4.7576 00 4.3796 00 5.4806 00 1.3296 01 -1.4746 01 -2.4416 11 7.3536 00 1.5796 01 7.3406 00
0.012 F. 10.8 CRROW IN R OF CHANGE TO UTFT R (DUMR) (	0.0 -2.0066-0 -5.1267 0 -9.4165 0 -1.5145 0 -1.5145
	0.0 3.5776-05 1.7766.05 7.7466.07 7.7466.07 7.7466.01
PERSTATION EST. OF CLANCE (DER) (ANGACE) (ANGACE) (ANGACE)	0.0.0 602.089F-01 3 10493.478F-00 1 20359.016E-03 31311.043E-01 7
# C # C # C # C # C # C # C # C # C # C	60. 1040. 2035. 3131.
a € # 32 • • • • • • • • • • • • • • • • • • •	10000. 100009. 7. 7. 50015.

RuS FOR 5 POINTS: 4.462E-01 2.286E-01

1

1

And the second of the second s

-	a,
And the state of t	9
Assessing the second	
Į į	;
[:	
	9

A 100 A 400 R

1

(j

RUN FAS		
GYRO-DAIFT RATE EST. VALUESIE.N.Z) (DEGDEES/MOUR)	4.39510F-C3 5.02880F-C4-1.14586E-04	

EC.	)	1.7552-01 8.8245-01 3.1745-01 9.9845-02 1.1425-02
REF. VALUE OF CHANGE ERROR IN DEFL. CHANGE (ARC-SEC)	ž Ž	P.n 0.6 0.0 0.0 0.0 0.0 0.6 0.6 3.c005-01 1.690E 00 3.637E-01 1.755E-01 3.637E-01 1.755E-01 3.637E-01 1.755E-01 3.690E 00 3.637E-01 1.755E-01 5.304E 00 3.637E-01 1.755E-01 5.304E 00 5.146E-02 8.6324E-01 5.304E 00 5.230E 00 5.146E-01 3.174E-01 1.091E 01 -1.27E 01 7.57E-01 3.74E-01 1.091E 01 -1.27E 01 7.547E-01 0.037E-01 1.07E-01 1.010E 01 -2.137E-01 9.984E-02 1.147E-01 1.081E 01 -1.464E 01 -3.042E-02 1.147E-02 1.147E-02
_ پي		00000
	THE STATE OF THE S	1.690E 5.230E 1.010E
PEF. VALUE NF C	N.	3, c005 6,4006 63,1006 17,806 17,806 17,806 17,806 19,006
u		00000
ST. OF OPS)	S S	10.00 mm m
CHAMBE C	IARC=SE N=S	7.137E-01 7.216E-01 7.516E-01 -9.937E-01
NOTHER OF L-TIME EST.	OF CHANGE IN CEFL. OUF (ARC-SEC) TO DOIFT RATE EST. (DOMN) (ARC-SEC) N-S (F-W	6 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
₹ {   	2 2 3	25000
51. F.O.	F CHRIGE O DOIFT (DOMO)	0 m 0 m m m
	C +-	6 6 6 6 6
EST. OF	<b>.</b>	\$ \text{Or \$ \frac{1}{2} \text{or \$ \frac{1}{
 پر	U.	6655
CSECY DENGLACING ESTA OF	(D30~504)	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(SEC)		0. 0.0 7022.3792 0.0 2.1752 0.0 15245.9065 0.0 5.9045 0.0 21200.0885 0.0 6.2185 0.0 52451.5775 0.1 1.0915 0.1
displa		10005 4. 4. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.

5 POINTS: 3.164E-01 4.298E-01

Pas Foo

PEF. VALUE OF CHAMBE EPROR IN DEFL. CA.	118C-1EC)	#-N		
ON THE EN	9	E-1		
ME. VAUE	722	\$- <u>1</u>		
EST. 04	CAS:	5	7	
SECOTINES	TANKS MA	15-V-31	٠ <u>٠</u>	
est. fage chantings of tangoling fist, of	COATE IN SERIETIES EST.	OF CHANGE THE OFFILE DUFF	on Dayer Rale Est.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
と には 明年一世版			5-4 5-4	
Ä	(255)			
Ġ.	S. Carrie			

	7.555-42	- 37K +	1.445E 00	1.2346-41	1.3366.1	-1,578E 88	4.4196-41	-2.189£ 10	-2.2188 00	-1.7266 85	-1.33E-41	-3.98E-41	2.5K±1	-1.5156-62
	*. JYK +3	3	1 W.K. 1	#	1.37% T	1.65	<b>~</b>	=	** 348% **	÷	*	S.OTE St	Ŧ	3.984E-03
	•••	# # # T	2 H1: 7 -	* ***** **	14 3414.1- 1	# # # # F # #	~. 34 1£ 91	S MINIT	-1.818E 01	******	** ***	# W.C. T		•
		4. 768E-6	3.1105	3.1305	7.8885-01	-13434E	-3, 7845 86	帝 湯からって	7,848.4	# 35 F. F.	3.140€ 34	4,7866-41		
÷.	-67 6.1395-62 7.5456-62	おおろう	2 741.1	THE WAST	-1.15X t.	-1. bane es	る。まま、ア	1. T.	15 3212" [-	7 7 7	48 3167°9- 64	PR -5. 25.45 BB	13. 北京中国	3.0055-63 -1.5155-92
	# 139K-63	3,6418 98	10 THE 10	B. 2225. BB	9.154F 98	4º 342 10	おいまだ。	14 XX 11	1.656E EL	1. 化苯甲醇	7.F4 #3	A. S. P.	3 E E.	W. CERTAIN
4.4	24-3644* -4- 24-3964*!	一日 日本の様を日本	43.1165 ga	29 30 tr. 1	20 3144-5-	40 3485 at 1	\$5 3655° 85	14 34 35 °C-	13 WH :-	-1.244E C!	-1.15% e?	-leasing of	16 3005*[- 40 3275*4	14 354941
4	2#-1964*	10-10 K-1	78-38C-87	· 14:4	<b>静學 从此中进生!!!</b>	2.665° #3	Z-tetef 50	# 17X2	14 11 18 TO	14 3 B1++	の単 いきんかい	Sec. 17. 17. 60	** ** *** ***	4.5.4
e: •	29-3C#E	77 36-6 "S-	-1.35ec at	「中 大き、一	14 Mrs 11	EL BALLS	18 3340°C-	15 Mile 21	14 18 18 18 18 18 18 18 18 18 18 18 18 18	部が大学	ij		はないでも	11
	CO-30 1917								11.45				5 A.C 6	N. A. A.
	\$2.	1961	or Cul Cul	2:50	· (1)	£25	#1 #1 #4 #4	1. 1. 1.	40.4	¥.		4 7 1 P	4624	10000
	· ractar	~	r,	;	ú.	ø.	<b>p</b>	,	ų,		ń	\$.	*19v#62	Z cest.

Aug #04 14 POINTS: 7.613E 94 1.225E 88

1735-3443 (3467)

1 :

1:

ì

l ite

GYRO-DRIFT RATE EST. VALUESTE.N.Z1 TDERREES/MOJR! -2.90471F-93-2.47811E-03 1.25397E-04

i. CM6NGE EC) E-#
EPPCP IN DEF
DEF. VALUE OF CHANGE ERPOR IN DEFL. CHINGE LARC-SEC)  18PC-SEC)  18-5 E-W N-S E-W E-W
SHYOTHED EST. OF CHANGE (DMS) (APC-SECT R-S E-E
EST, FROM SMOOTHER OF SHOOTHER EST, OF ERROQ IN MEAL-TIME EST, CHANGE (DMS) OF CHANGE IN DEFL, DUT (APC-SECT) OF DRIFT RATE EST, R-S E-E (DD:A) (ARC-SEC) (APC-SEC) W-S F-E
TIME REAL-TIME EST. OF (SEC) CHANGE (OHD) (ARC-SEC) (ARC-SEC) N-S
SE S

1,6276-91 1.885E-61 -2.000E-61 1.870E-62 3.899E-11 -3.323E-11 5.157E-1 -2,041E -3.529E BE -3.TABE BE 1.1306 1.9865-42 -0.937£ -1.734£ -2.84%£ -3.227E -3.727E -7.0218 -2.162E 03 -4. 31 BE -5. 997E -7.72BE 3686.E-1.516E-31 3.1a7E 69 5.635F 69 7.684E 69 1.567E 9.636E -1, P#2E-92 -5, 369E BB -5.3696 -7.3696 -1.1938 -1,593E -2,516E -2,945E 4.007E 00 6.543E 00 24-36:972 9.329E 1.126E 1.196E 52. 1067. 1825. 2559. 3189. 4258. \*\*\*\* 190001 20007. 10001

1.155€ 51

2.9756-61

i permis:

Par FOR

- J

REF. VALUE OF CRAMGE ERPOR IN DEFL. CHAMGE (ARC-SEC) H-S E-W N-S E-W	2.269E 00 3.900E 00 1.240E 00 -1.971E 00 4.540E 00 1.031E 01 1.620E 00 -2.607E 00 4.570E 01 2.137E 00 -1.790E 00 4.570E 00 1.556F 01 2.559F 00 -9.549E-01 3.760E 00 2.041E 01 1.967E-01 1.806E-01 7.740E 00 2.041E 01 1.967E-01 3.806E-01 7.740E 00 2.041E 01 -7.202E-03 -2.397E-02
3 <del>94</del> 765	6 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
TANCASECT	2,4,4,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
SMOOTHED FET OF CHARGE (CHS) (APC-SEC) (APC-SEC)	0.0 6.1508E 01 2.400E 00 6.150E 01 1.93E 00 7.157E 01 1.382E 01 6.510F 01 1.503E 01 7.77E 01 2.059E 01 7.77E 01 2.059E 01
FEG. FROM SMOOTHER OF FREGRANDE IN OFFICE OFE OF CHANDE IN OFFICE TO BRIFT SATE EST. (JOHN) ARCHSEO N-S A-S	8.453F-01 -1.73ZE 00 -1.113E 0.6 3.508E 01 2.400E 30 5.710E 00 -3.550E 00 -2.394E 07 7.519E 07 8.193E 00 6.467E 00 -4.819E 00 -3.32ZE 00 7.673F 00 1.920E 01 9.467E 00 -6.135E 00 -4.37RE 00 7.157F 00 1.38ZE 01 9.75E 00 -7.265E 00 -5.32ZE 00 6.519F 00 1.503F 01 1.308E 01 -9.103E 00 -6.917E 00 7.37ZE 00 2.039F 01
RECL+TIME EST. OF CHANGE (SHR) (ARC+SEC) N-S E-M	856. 1.775E 00 8.953F-91 1893. 2.621E 01 5.719E 00 2854. 2.725F 01 6.840E 00 3176. 1.022E 01 9.705E 00 48177.446E-01 9.705E 00 48695.741F 01 1.358E 01
TINE CO.	1000 1000 1000 1000 1000 1000 1000 100
NUMPES	10107. 6. 5. 3. 2. 200001.

7 POINTS: 1.590E 00 1.373E 00

RAS FOR

1

į.

ALMAN CONTRACT

PORTY.

-

Plant I

1

A STATE OF

1

STATE OF THE PROPERTY OF THE P

.31083F	-05-3-17	-8.31083F-05-3.17746F-03 1.24141E-04				
ID NUMPER		TIME REAL-TIME EST. OF (SEC) CHANGE (DMR) (AMC-SEC) N-S	FST. FMOM SMOOTHER OF SMOOTHED EST. OF FRUR IN MEAL-TIME EST. CHANGE (DMS) OF CHANGE IN DEFL. DUE (AMC-SEC) TO UMIFT MATE EST. N-S	SWOOTHED EST. OF CHANGE (DMS) (APC-SEC) N-S	REF. VALUE OF CHANGE (ARC-SEC) N-S E-W	REF, VALUE OF CHANGE ERROR IN DEFL. CHANGE (ARC-SEC)  N+S  E-W  N-S  E-W
			(DUHK) (ARC-SEC)			
			3-3 S-2			

4	2.279E-01	1. (24E 00	2.735E 00	7.074F AA		20406	3.279E 00	4.578E 00	E 2436 AA	2000	3.600E 00	A. ARAF AD		Z. 613E 00	1.774E 00	60.014	5013640"	0 6.150E-03 -2.149E-02
	3.8585-02	4.566E 00	6.160E 00	10 3676 7		8	8.619E 00	8.440E 00	00 0110	7.00.4	8.280E 00	5.516F 00	201010	2.44RE 90	9,1315-01		5.635t "UI	6.150E-03
0.0 0.0 0.0 0.0	0.0	-3.620E 00	-5.370E 00	4000	30.00	-6. FODE DO	-7.100E 00	-7.530F 00	1	-5.960E 00	-4.910E 00	2005 20	2001	60 3016 9-	-6.180F 00		-4.180E 00	-4.180E 00
	0.0	1 1.360E 00	1 2.410E GO		00 3011.05	1 5.750E 00	0 5,270E 00	00 30E 00		1 5.960t 00	1 5.940E 00	40 7400	Leksur ou	1 -2.490€ 00	1 = 2 240F 00	000 1000	) -2.020£ 00	00 30202- 0
0.0	2.279E-01	-1.896E 00	-2.635F 00	11000	-1.15/E-U1	-3.292E 00	-3,821E 00	-2.052F C		-6.590E-01	-1.310F 00	1	00 JUNO 00 00 0	00 3168 4- i	1 -4 4045 OC	70 7001	1 -4.173E 00	-4,201E 00
0.0	3,8585-02	5.926E 00	A 570F A0		1.0452 01	1.409E 01	1.389E 01	1 3076 01	70 11000	1.544E 01	1.422E 01		2004.8	-4.1795-02	1 3275 A	-103616	10.496E 00	-2.014E 00
0.0	-1.779E-11	-6.009E 00	3366 4	10 35 00	-1.069E 01	-1.249E 01	-1.559E n1	10046	10 3066.1-	-2.603E 31	13.017F 61		-3.224t 01	-3.463£ 01	20 36 36 6	10 3/5/05-	-3.874E 01	-3. RORE OF
0.0	**862F-03	3.9775-01	10707	VO	1.042E 00	1.368E 00	7.0345.00		2.130	5.234F UD	A. 0.25E	10111	00 3488°	1.0055 01		1.0000	1.120F 01	1,1345 01
0.0	5.002E	-7.00AF	10000	-1+030C 01	-1.141E 01	-1.578E 01	1.041.0		10 3102-2-	-2. K6HE 01	10 346 6	ו אין יין	-3.418E 01	14.14.0	10000	10 JAHR 01	10 37	(0 4K, 3T 00 350E 0
0.0	4.346E-02	4 334F 90		4.7.1.E UI	1.149E 01	1.5466 01	7 5025 41		1.6535 (II	2.107F 01		11, 2011.2	1.429E 01		7: 400.00	9.324E DC	0.7075 00	3256 00
0	56.	1000		6067	3381.	1967	6.404	9000	63.1.	A 3HO		1004	10535.	13075	1	12415	12842	2000
10001	10000		• •		;	ı	•	• 1	•	q		•	-0-		• 0 -	**	200015	יים ביים אולים ביים או

3.070€ 00

RWS FOR 14 POINTS: 6-112E 00

6YR0-DRIFT RATE EST. VALUES(E,N.Z) (DEGREES/HOUM) -1.53768F-03-2.62419E-03 9.71130E-05

REF. VALUE OF CHANGE ERROR IN DEFL. CHANGE (ARC-SEC) N-S E-W N-S E-W	-4.203E-02 1.968E-01 1.861E 00 5.724E-01 2.041E 00 1.084E 00 2.008E 00 1.778E-01 1.858E 00 -1.462E-01 1.034E-02 -3.635E-02	RUS FOR 7 POINTS: 1.691E 00 8.731E-01
. VALUE OF CHANGE E (ARC-SEC) N-S E-W	0.0 1.360E 00 -3.620E 00 2.410E 00 -5.370E 00 3.710E 00 -6.690E 00 5.750E 00 -6.100E 00 4.630E 00 -7.30E 00	RAS FOR 7 POINTS!
SWOOTHED EST. OF RECHANGE (DHS) (ARC-SEC) N-S E-V	0.0 -4.283E-02 1.948F-01 3.271E 00 -3.048F 00 5.718F 00 -2.910E 00 7.128F 00 -5.972F 00 4.640E 00 -7.566E 00	
FCT. FACH SMOOTHER OF CERNOR IN MEAL-TIME EST. OF CHANGE IN DEFL. DUE TO UNIFT HATE EST. (DDHR) (ARC-SEC) N-5	0.0 8.525F-02 -1.468E-01 -4.283E-02 1.968F-01 3.103F 00 -4.856E 00 3.221E 00 -3.048E 00 4.199F 00 -6.474E 00 4.851E 00 -4.286E 00 5.775F 00 -8.495E 00 5.718E 00 -2.910E 00 6.860F 00 -9.862E 00 8.00E 00 -5.927E 00 8.793F 00 -1.574E 01 7.128E 00 -7.246E 00 1.154F 01 -1.574E 01 4.640E 00 -7.566E 00	
REAL-TIME EST. OF FG CHANGE (DHR) FR (AMC-SFC) OF N-S F-W TO	0.0 0.0 0.324E-02 5.002E-02 0.324E fn -7.906E 01 1.49E 01 -1.1141E 01 1.592E 01 -1.578E 01 1.532E ft -2.281E 01	
IN TIME	10h01. 56. 2. 1895. 3. 2629. 4. 3381. 5. 3957. 6. 4953.	

	BITTE ACT
	ā
	<u>a</u>
	\$ 5 4 5
•	
•	

....

	GYRO-ORIFT PATE EST. VALUES(F.W.Z.) (DEGREES/FROOK) 1.440346183+3.845549F103-2.782056-05	
RUR	GYRO-NRIFT RATE EST. VALUES(F.N.Z) (UEGREES/HOUR)	

Contract of the second		
The state of the s	ERROR IN DEFL. CHANGE (ARC-SEC) N-S E-W	1.790E 00 -7.594E-01 9.336E-01 2.000E 00 2.554E-01 8.620E-01 1.270E 00 -4.029E-01 1.036E 00 7.300E-01 2.925E-01 -1.953E-01 7.300E-01 -3.777E-03 -1.114E-01 5 POINTS: 4.219E-01 7.401E-01
Andreas Andrea	REF. VALUE OF CHANGE ERR (ARC-SFC) N-S E-W	-3.050E 00 - -8.180E 00 - -7.950E 00 - -7.960E 00
	RUN #6B MOOTHER OF SMOOTHER EST. OF AL-TIMF EST. CHANGE (DHS) N DEFL. DUF (ARC-SEC) FE EST. N-S E-W F-WC-SEC)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
	GYRO-DRIFT PATE EST. VALUES (F.N.2) (DEGREES/HOUR)  1.447344-R3-3-85589F-R3-7-78205E-05  1.1 TIVE PEAL-TIME EST. OF EST. FMOM S  NUMMER (SEC) CHANGE (DAK) OF CHANGE I  (APC-SEC) FMNGE I  (DANGE I  (APC-SEC) FMNGE I  (DANGE I  (APC-SEC) F-W TO URIFT MA  (DUMS) (APC-SEC)	10f09. 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) -1.10767E-03-1.64801F-93 1.65945E-04

10 Menogra	11 E (SEC)	REAL-TIME EST. OF CMANGE (DHR) (ARC-SEC) N-S E-W	FST. FHOM SMOOTHER OF FREOR IN REAL-TIME EST. OF CHRIGHT IN DEFL. DUE TO DRIFT RATE EST. (DUMR) (ARC-SEC)	SMODTHED EST. OF CHANGE (DMS) (APC-SEC) N-S E-N	REF. VALUE OF CHANGE EP (AMC-SFC) u+S E-W	EDROR IN DEFL. CHANGE (ARC+SEC)
2000 0000 0000 0000 0000 0000 0000 000	56. 593. 2179. 2911. 2911. 5911. 5917. 6179. 11253.	7.361E-02-1.437E-02 1.653E-01-1.312E-00 1.199E-01-7.312E-00 1.199E-01-5.231E-00 1.647E-01-5.751E-00 2.436E-01-6.318E-00 2.760E-01-6.318E-00 2.760E-01-1.240E-01 2.760E-01-1.240E-01 2.760E-01-1.240E-01 2.75E-01-1.240E-01 2.75E-01-1.240E-01	6.0 6.232=02 -9.356=02 6.694E=01 -9.962E=01 2.567E 06 -3.529E 00 3.519E 06 -3.529E 00 3.519E 06 -3.529E 00 4.172E 00 -5.408E 00 7.226E 00 -5.408E 00 1.155E 01 -1.242E 01 1.244E 01 -1.346E 01 1.563E 01 -1.346E 01 1.720E 01 -1.346E 01 1.720E 01 -1.346E 01 1.720E 01 -1.346E 01 1.720E 01 -1.346E 01	1.128E-02 7.914E-02 -5.046E-01 -3.518E-01 3.477E-01 -6.919E-01 7.496E 00 -1.777E 00 7.707E 00 -1.303E 00 1.36E 01 5.846E-01 1.436E 01 2.846E-01 1.532E 01 -1.973E 00 1.532E 01 -1.979E 00 9.261E 00 5.324E-01 6.665E 00 1.166E 00 2.776E 00 4.166E 00	1-2-2-006 1-2-2-006	1.128E-D2 7.914E-D2 1.223E-D1 1.648E 00 1.331E 00 2.038E 00 2.326E 00 2.035E 00 2.77E 00 1.217E 00 3.400E 00 1.414E 00 6.254E 00 2.022E 00 7.953E 00 1.437E 00 7.547E 00 1.991E 00 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1 7.547E 00 0.444E-D1
					ANS FOR 16 POINTS:	4.505E 00 1.704E 00

مانية التعديقا فالمسابح فالقيم والمستقم يسم موري أوالقا التقايل التعاقبية والمستحدة والمستحدة

EUN RUN	
(DEGREES/HOUR	401
VALUES (E+N+2)	FLA 1 DROKAF
GYAG-PAJET MATE EST. VALUES(E.N.Z) (DEGREES/MAUM)	1 104404-141-140745-164-164-164-164-164-164-164-164-164-164
E VIROL	,000

SWOOTHED EST, OF REF, VALUE OF CHANGE ERROR IN DEFL, CMANGE CHANGE (OHS) (ARC-SEC) (AR	0.0 0.0 1.00 1.00 1.00 1.00 1.00 1.00 1
EST. FROM SWOOTHER OF FROM IN REAL-TIME EST. OF CHRNCE IN DEFL. DUF TO COLFT RATE EST. (DUMR) (ARC-SFC)	0.0 1.332# 00 11.332# 00 00 5.5236# 00 5.7 7.2336# 00 5.7 7.733# 00 6.6 6.752# 00 90
114E REAL-TIME EST. OF (SEC) CHBNGE (D-R) (ARC-SEC) N-S	0, 0.0 56. 7.361E-02 - 593. 1.653E-01 - 1179. 1.09E 00 - 2911. 1.101E 01 - 3409. 1.147E 01 - 4101. 2.146E 01 -
NOTATES (S	100015. 100015. 14. 13. 11. 22. 11. 23. 10. 34.

REF. VALUE OF CHANGE ERROK IN UEFL. CHANGE (ARC-SEC) (ARC-SEC) N-S E-W N-S E-W	4.000E-01 1.685E 00 1.126E 00 1.730E 00 1.440E 00 1.356E 00 3.480E 00 1.264E 00 2.005E-01 7.100E 00 5.663E-01 -9.059E-02 7.100E 00 -1.031E-04 -3.090E-02
	111256
S & BO	8956 2006 4006 6006 3006 1006 1006 1006 1006 1006 1
	មស្គមស្គ ស្មាធម្មាធិ
ក ក	енене 00000 00000
CHANG	4.000 1.410 1.430 1.430 7.100
-SEC	200000
	0.0 0.0 4.800E-01 4.854 0.0 1.526 0 4.800E-01 4.8224 0 1.5256 0 4.800E-01 4.8224 0 1.5256 0 1.526 0 1.556 0 0 2.8224 0 1.5256 0 1.5256 0 1.556 0 0 2.8245 0 1.5256 0 1.556 0 0 1.8256 0
<b>K</b>	000000
SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W	7.069E
SEC.	0.0000
OTHEC HANGE ARC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N I S O S S	0 1 0 1 0 4 1
OF EST. OUE	
OOTHER DEFL. C-SEC)	0.0 -8.156 -1.524 -3.589 -5.006
E SEC	00000
EST. FROM SMOOTHER OF SERROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DRIFT RATE EST. (DDHR) (ARC-SEC)	0.0 4.5594 9.5594 1.2146 1.2176
	00000
# 0 # 0 P	0 101E 242E 696E 131E 922E
COHR COHR EC)	- 0 0 0 0 0 0
L-TIME ES MANGE (DH (ARC-SEC)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
₹ 5 ₹ 84	0.0 1.91 5.10 -2.14 -3.60
TIME (SEC)	0. 0.0 619. 1.911E 00 7. 1153. 5.103E-01 Z. 19392.146E 00 Z. 26933.600E 00 9 37365.921E 00 Z.
ID NUMPER	10006. 5. 4. 200001. 20001.

8.550E-01

6 POINTS: 1.484E 00

RWS FOR

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 2.36469g-03-7.94206E-04-1.87984E-04

RUN #8(2)

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) ö ERROR IN REAL-TIME E OF CHANGE IN DEFL. D TO DRIFT RATE EST. (DDMR) (ARC-SEC) EST. FROM SMOOTHER 6 J. REAL-TIME EST. C CHANGE (DMR) (ARC-SEC) N-S F-Y TIME (SEC) 10 NUMBER

-5.912E-02 6.089E-01 3.992E-01 6.949E-01 -7.787E-01 -8.067E-01 6.569E-02 3.248E-01 .492E-03 -1.185E 00 5.697E-02 -8,232E-01 1.072E 00 8,9186-01 2,365E-01 -1,329E 00 -6.586E-01 -3.416E-01 -4.0796-01 -4.769E-01 2.053E 3.745E 5.767E -2.039E 1.049E -2,221E 1,563E -2,331E -2,367E 1.772E -1.717E -1.443E -1.288E 1.854E 1.027E 00 -3.716E-03 5.007E-02 9.821E-01 2.4236-01 1.399E 00 -1.645E 00 4.051E-01 5.3856-01 6.966E-01 9.205E-01 1.436E 2.154E 1.239E 1.941 1,928 3,359E 3,935E 3.374E 2.481E 2,386E 1.257E 2.465E 2,082E 2.115E 2.193E 3.691E 3.218E 3.494E 3.130E ě -3.325E-01 -5.605E-01 -7.867E-01 -1.000E -1.3838 -1.012E -1.176E -1.711E .326E -7.029E -7.791E -9.3698 -9.764E -1.051E -1.106E -1.246E -1.286E -1.229E -1.453E -1.920E -2.335E -2.603E -2.889E -3.154E -4.326E -4.753E -5.45SE -5.972E -6.612E -7.328E -8.151E -8.573E -9.072E -3.549E -3.934E -5.053E -1.601E 00 -2.21 JE 1.482E -1.887E -2.091E -2.129E -2.166E -2.21BE -2.771E -1.193E -2.021E -2.210E -3.910E -5.021E -5.962E -6.54BE -7.155E -7.702E -9.235E -9.966E -1.073E -1.125E -1.277E -1:377E •439E -1.547E -1.596E -1.652E -1.716E -1.752E -1.800E -1.842E -1.948E -2.057E -8.492E 7 -3.913E-01 -9.920E-01 7.399E-01 3.314E-01 -8.458E-01 -2.0568-0] -2.899E -8.569E -2.994E -3.080E -4.734E -2.188E -5.256E -6.958E -1.061E -1.1896 -3.248E -4.075E -4.442E -3.890E -4.204E -3,001E -1.710E -5.766E -1.140E -1.148E -1.156 -1.273€ -1.1426 -1.214E -1.413E 00 -1.066E 00 -8.124E-01 -8.0496-01 -6.561E-01 -5.363E-01 1.929 1.549E . ASIE -1.763E -1.ABZE -1.966E .362E .385E .442E -1.62TE -1.804E -2.056E -2.218E -1.124E 1.372E 3644. .477E -1.544 -2.08BE -2.160E -4.35SE -6.031E -4.034E -6.7892 8411. 8647. 8905. 940. 11429. 11669. 2563. 2882. 3091. 3691. 4721. 5289. .047 1943. 9263. 9709. 9931. 6147. 409. 679. 4365. 6163. 1599. 7303. 1493. 6713. 1145. 0637. 6393 939 1982 2021. 2022. 2023. 2031. 202001. 2023. 2032. 2033. 2034. 2035. 2005. 2002. 2034. 2032. 2049. 2018. 2019. 2049. 2037. 2004. 2003 2020-2004. 2035. 2033. 2019. 2038. 2037.

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 2.44364E-03-1.21734E-03-1.00343E-04

EST. OF (DHS) SEC) E-W	1.2566 1.3566 1.3566 1.3566 1.3566 1.3566 1.3566 1.3566 1.5366 1.5366 1.5366 1.5366 1.5366 1.5366 1.5366 1.5366 1.5366 1.5366
CHANGE (ARC-SE	0.00 0.00
SMCOTHER OF REAL-TIME EST. IN DEFL. DUE RATE EST. (ARC-SEC)	-5.056E 00 -1.2.835E 00 -1.3.835E 00 -1.3.835E 00 -1.3.805E 00 -1.5.805E 00 -1.5.805E 00 -1.5.805E 00 -1.5.805E 00 -1.7.806E 00 -1.7.806E 00
EST. FROM SMERROR IN READS IN READS IN READS IN READS IN RATE RATE RATE (DDHR) (AR	
EST. OF DHR) C) E-W	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PEAL LINE CHANGE ( ARC-SE N-S	
TIME (SEC)	
IO NUMBER	120001 20001 20002 20003 20033 20023 20023 20023 20023 20023 20023 2003

;

Mary Contract of the

.

Additional of the second

{ }

į

5...

on magnifigation or value.

### SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S FRROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUF TO DRIFT RATE EST. FST. FHOM SMOOTHER (ARC-SEC) 5 (DDHR) REAL-TIME EST. OF CHANGE (DHR) (ARC-SFC) N-S (SEC) TIME NUMRER

	0	Š	9	0	0	0	0	0.	0	0	0.	0	.0.	0.	O.	0. C	0	0	00
•	<b>566E</b>	4.362E	.674E	7.170E	7.317E	.688E	9.140E	.271E	.746E	6.582E	9.481E	.251E	7.237E	.041E	7.515E	•886E	.972E	.138E	.235E.
	00	00	00	00	00	00	00	90	00	00	00	00	00	00	00	00	00	00	00
0.0	15	.060	006.	2.441E	679.	.442	.782	.471	.771	.536	623	.830	.337	,186	.707	.891	909.	. A39	.543
0.0	•156E-	86E-	-865E-	1.194E 00	435E	•719E	2.057E	2.259E	2.530E	2.774E	3.046E	3.430E	3.921E	4.170E	4.415E	<b>498E</b>	.983E	30E	•392E
	9	0	0	00	0	0	0	¢	00	0	00	0	0	0	0	0	0	0	0
0.0	•13	640	.89	-2.511E	16.	.51	•13	64.	96.	5.38	• A3	6.45	.21	.58	•94	• 35	<b>.</b> 74	• 22	•30
	00	00	00	00	00	0	01	0	01	0.7	0	0	0	0 7	01	01	0	0	0
0.0	.982	.051	.560	-8.364E	.752	1.041	.120	.153	.128	.136	1,253	1.168	.116	.121	• 193	.158	196	.347	.363
	0		C	0.0	00	Ö	-01	Ç	Ĉ	0	<u>c</u>	ç O	Ç	00	Ö	ن 0	00	00	0
•	-	.707	.147		.300	.073	455.	.024	.196	1.847	.210	3.622	. R75	4.398	.237	459	.143	.3A2	.760
0	488	ው	0	1352.	60	90	24	45	7	95	21	56	0	23	Ž,	69	46	ന	23
12018.	2019.	2	40	2021.	02	02	6	Ű3	93	6	0.3	03	03	0	0	00	0 0	200	2200

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) -4.44898E-03-1.01005E-03 2.56089E-04

. 

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W	0.0 -3.1576-01 4.7846-02 -8.0126-01 1.4216 00 -9.6086-01 -1.4136 00 -5.1236 00 -3.1236 00 -5.3766 00 -3.1606-02 -4.1016 00 2.5676 00 -3.0976 00 2.5476 00 -1.9486 00 2.4416 00 -2.5426 00 3.6366 00 -1.9126 00 5.8586 00 -5.4376-01 6.7296 00
SMOOTHER OF EAL-TIME EST. IN DEFL. DUE AATE EST. ARC-SEC)	0.0 -6.529E-01 0.1-6.529E-01 0.1-2.014E 00 01-2.340E 00 01-2.767E 00 01-2.834E 00 01-2.834E 00 01-2.834E 00 01-2.834E 00 01-2.834E 00 01-2.834E 00
EST. FROM ERROR IN RIOF CHANGE TO DRIFT RIODHR) (DDHR) (A-S	3 2 2 4 9 9 E 1 3 4 6 9 9 E 1 3 4 6 9 9 E 1 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 5 1 E 1 E
TIME EST. OF NGE (DHR) RC-SEC) F-W	0.0 -0.2 -8.619E-0 01 -4.779E 0 01 -3.427E 0 00 -4.906E 0 01 -2.510E 0 01 -1.387E 0 01 -1.387E 0 01 -1.387E 0 01 -2.510E 0 01 -2.510E 0 01 -3.95E 0 01 3.155E 0 01 3.957E 0
REAL-TIM CHANGE (ARC-	0.0 2.267E 1.087E 1.055E 1.318E 1.598E 1.730E 2.736E 3.083E
TIME (SEC)	11. 12. 13. 14. 15. 16. 16. 16. 16. 16. 16. 16. 16
I O Numrer	100001 20001 100001 114 113 110001 110001 10001 100001

11 Š

: ;

· •

( (\_)

1

RUN #9A

SMOOTHED EST. OF CHANGE (DMS)	N-S E-W	
ERNOR IN REAL-TIME EST.	TO URIFT RATE EST.	カード カース
PEAL-TIME EST. OF CHANGE (DHR)	N-S E-W	
TIME (SEC)		
ID NUMBER		

N00000
0.0 2.761E 1.173E -2.336E -3.722E -1.518E
0.0 -3.171E-01 -2.144E-01 -5.314E-01 -5.316 00 -4.016E 00
0.0 -3.623E-62 -4.053E-01 -9.431E-01 -1.091E 00 -1.164E 00
0.0 2.514E-01 3.081E 00 8.885E 00 1.151E 01 1.439E 01 1.999E 01
0.0 -8.619E-03 7.677E-01 -4.779E 00 -3.427E 00 -4.906E 00 -2.711E 00
0.0 2.267E-02 1.087E 01 1.055E 01 9.231E 00 1.318E 01
# # # # # # # # # # # # # # # # # # #
12001. 2001. 2001. 14. 13. 12. 11.

SMOOTHED ESI. OF CHANGE (DHS) (ARC-SEC) RUN #9B 512 OF SHANGE IN DEFL. EST. FHOM SMOOTHER FARUR IN MEAL-TIME TO UNIFT MATE EST. (AHC-SEC) -4,35506E-03-8,37286E-04 8,51565E-05 REAL-TIME EST. OF 1-3 CHANGE (CHH) (ARC-SEC) (SEC) TIME

NUMBER

(BUCHR)

7

4.030E

2.176E

1.054E

-5.559E-01 -7.9596-01

-2.737E-01

00 0

302401 3.127E 3450.4 4.29UE 3062.8 9.175E 1.133F

1.123E 2.€55€

0 • 0

0.0

3.387E

1.397E ₹.622E

-1,520E-01

0.0

0.0

3946.9 5.8855 8.053E

1.590E

2.204E 3.519E

-1.381E

-1,596E

2.20èE

-1.0238 -1.280E

4,359E

00 00

3.235E

00

6,835E 3964.8 9.880E

1006. 1438.

4.130E 4

0.0

339. 716.

10016.

5.665E 5.502E 6.457E

1.485£

2588.

20003.

1.1386

2086.

\*\*6R!

ij

### GYRO-DRIFT RAIE EST. VALUES(E.N.Z) (DEGREES/HOUR) -1.37971F-63-2.15424F-03 6.93195E-05

		00	00	5	00	00	00	5	8	00	60	00	0	00	Ç	00	00	0	00	00
ST.		_	.454	.591	<b>.757</b>	1010	48¢.	.981	.089	.207	.872	.767	+670	• 050	• 965	.373	.483	.340	.314	.184
SMOOTHED E CHANGE ( (ARC-SE N-S	*	,323E	.432E-0	.771E-0	.233E 0	.309E-0	.867E 0	, 586E 0	.367E 0	.878E 0	.081E 0	.868E 0	. A89E 0	.789E 0	.252E.0	.453E 0	.840E 0	.177E-0	.550E 0	.540E 0
REAL-TIME EST. E IN DEFL. DUE RATE EST. (ARC-SEC)		0			<b>с</b>			<b>C</b>				<b>.</b>		0		<b>.</b>	9205	.528E 0	.052E 0	61E 0
CHANGI CHANGI CHANGI DHR) N-S		.855E	.192E.	• 078E	3604.	.754E	•097E	•841E	•358E	344E	.141E	•513E	•031E	.500E	3€06°	• 44 1E	3618°	3698.	-290E	•379E
H 0 H H 0 H H M M M M M M M M M M M M M	0	.110E	.558E-0	.6875-0	.513E-0	.040E-0	1.141E 0	•186E 0	*674E 0	.053E 0	.887E 0	.453E 0	.180E 0	4.378E 0	0 3416.	22E 0	.437E 0	.189E 0	.204E 0	2.429E 0
₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩		4.388E-01	Ç	0	0	0	ټ	Ċ	0	Ç	0	C	C	0	C	0	C	0	0	0
TIME (SEC)	ć		-	9		225	455	4	519	525	17	007	N	P]	85	17	40	72	26	Ë
NUMBER	00	2002	0	0	00	00	00	5	03	5	S	S	2	2	5	4	02	7	201	0 ]

E-E SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) EST. OF CHANGE IN DEFL. EST. FROM SMOOTHER ERHOR IN REAL-TIME TO DRIFT HATE EST. REAL-TIME EST. OF Z L L CHANGE (DHR) (ARC-SEC) (SEC) JHI:

1.483E 00 5.531E-01 3,131E-01 1.515E 1.319E 1.034E 1.448E 0.0 -2.473E-01 -9.587E-02 -7.765E-02 -3,196E-01 -7.540E-01 -7.091E-01 -9.051E-01 0.0 00 00 -9.628E-01 00 -5.234E-01 -1.422E -1.834E 00 -2.252E -2.657E -3.499E (ARC-SEC) 0.0 00 7.583E-01 5.43CF 3.40.E 4.041F 2.10ZE 2.738E 3.394€ ハース (SPER) 0.0 -1.141E 00 3.558E-01 -8.687E-01 -8.040E-01 5.110E-01 -3.513E-01 -3.186E 0.0 00 4.388E-01 6.549E-01 1.855E 2.642E 2.685E 3,964€ 4.5275 0.0 277 513. . K. 6.6 1225. 763. 1455. 3945 12001. 2002 2003. 2004+ 2005. 2006. 2007. 22035. NUMBER

المقاسمية محمد الطائبة المقاطعة فرهم الطائبة مساوية والمنافعة المنافعة المقاطعة والمقاطعة المقاطعة ال

A CONTRACTOR OF A CONTRACTOR O

The second secon

The state of the s

Table 40

(DEGREES/HOUR)	ß
YRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR)	-7.30421E-04-2.13341E-03 2.38973E-05
EST.	133416
RATE	( <del>-2-4</del> (
GYRO-DRIFT	-7.30421E-(

		000-00000000
	EST. OF (OHS) (EC) E-W	1.200 1.300
RUN #10(2)B	SMOOTHED E CHANGE ( (ARC-SE N-S	-5.027E-02 2.027E-02 2.031E-03 2.429E-00 2.429E-00 2.532E-00 2.499E-00
RUN	OF EST. DUE	
	C-TIME DEFL. C-SEC. C-SEC.	1000 100 100 100 100 100 100 100 100 10
£ Š	7 T X Y	
(DEGREES/HOUR) 5	EST. FROM ERROR IN OF CHANGE TO URIFT (DDHR)	
0	EST. OF E (OHR) E (EC) (OHR) (	0.0 5.118E-01 1.333E-01 -7.009E-01 -1.267E 00 -1.767E 00 6.376E-02 -2.506E-01 9.976E-01
JES (		700000000000000000000000000000000000000
ST. VALUES(E.N.Z) 341E-03 2.38973E-	REAL - TIME CHANGE (ARC-SI	
RATE E	TIME (SEC)	99 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
6YRO-DRIFT RATE ES -7.30421E-04-2.133	ID NUMBER	12035 2035 2033 2023 2023 2020 2020 2013

14.184

RUN #10(4)

金剛は飲みに飲むしている時間でいることが、ないなるないのできることできるとなっていることできるのが、

CHANGE (DHS) SMOOTHED EST. (ARC-SEC) EST DUE FRRUR IN REAL-TIME OF CHANGE IN DEFL. TO URIFT RATE EST. FST. FROM SMOOTHER (DDHR) P 31 REAL-TIME EST. CHANGE (DHR) (ARC-SFC) (SEC) TIME NUMBER E

(ARC-SEC) SIN

0.0 1.5A1E-01 00 00 00 00 00 -7.478E ~5,883E -1.344E -6.359E -7.457E -7.108E -7.790E -7.443E -3.868 -8.084E -7.503F -8.483F -6.826E -7.016E -7.479E -8.269E -8.262E -3,835E 00 00 0 00 00 00 00 00 00 -4.014E-01 1,926 1.715E 2.632E 2.672E 2.416E 1.329E 1.977E 1.573E 2.021E 2.172E .566E 3.055E 4.116E 3.893E 2.572E 2.994E 2,304E •659E 3.490E S C 0 0 6 0 -1.612E -8.416E -1.283E -1.334E -1.448E -1.527E -2.963E -3.720E -4.272E -5.164E -5.853E -6.659E -7.645E -9.0A6E -9.707E -1.047E -1.166E -1.226E -1.395E -1.516E 0.0 00 00 00 00 00 00 00 0 0 0 0 0 0 .848F • 865E 6.221E 9.274E 1.19UE 3.349E .507F 1.614F 3,024F 308806 4.440F 5.435E 7.154E 8.336E 1.012E 1.091E .436F 1.582E 3699° 1.747E 0.0 0 5 0 -2.343E -2.354E .414E . 450E .716E .896E .113E -1.927E -2.139E -2.196E -1.454E -4.308E -7.555E -8.140E -1.105E -1.221E -1.564E 3653€ -1.849E -1.994E 0.0 Ÿ 7 ī 7 7 1 Ξ 6 6 5 2 2 6 . A 02E 4.597E .245E .3178 .317F .440E .447E .622E .812E 2.014E 8.057E 2.021E 5.857E 6.15E 9.832E 3005. 960A. 944E 1.212E 8.392E 0.0 2109. 2415. 3363. 4673. 616 563 045. 319. 521. 851. 3097 3613. 3925. 5143. 5411. 5649. 2795. 4421. 5958 6010 2007. 2006. 2005. 2025. 2031. 2033. 2034. 2020. 2021. 2003. 2005 2018. 2019, 2049. 2023 2032 2035. 202001 22001

1977年

The think of the second state of the A STANSF

ST. OF DHS)	1 U
SMOOTHED EST. OF CHANGE (DHS)	
OF EST. Due	
EST. FROM SMOOTHER OF SIEROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE	RATE EST.
EST. FRO ERROR IN	TO DRIFT (DOHR) N-S
 140	TB.     
REAL-TIME EST. CHANGE (OHR)	5 S I Z
TIME (SEC)	
NUMBER OI	

		0	00	00	00	9	00	00	00	00	00	0
0.0	2.614E-	•	•	•	•	-6.004E		•	-7.591E	•	-6.900E	-7.889E
	-07	00	00	<b>~</b>	00	00	00	00	00	00	00	-01
0.0	-6.787E-	•	•	.640E	•	•	•	•	•	•	1.705E	346E
	00	00	00	00	00	00	00	0	00	00	0	6
0.0	•	•	•	•	•	•	•	•		•	-1.026E	_
											70	
0.0	1.891E	3.534E	4.487E	5.191E	6.350E	7.263E	8.353E	9.71BE	1.081E	1.178E	1.2695	1.384F
	000	00	00	00	0 1	70	0.1	0	0	Ç	0	0 1
0.0	-1.4	£.4-	-7.5	-8.1	-1.1	-1.2	-1.4	1.0	-1.6	-1.6	ı	-
											0	
0.0	1.212E	4.597E	5.857E	6.155E	8.067E	8.392E	9.832E	1.245E	1.317E	1.317E	1.440E	1.447F
•	563	1045	1319.	1521.	1851.	2109.	2415.	2795.	3097	3363	3613.	1925
12018.	2018.	2019.	2020.	2049.	2021.	2022.	2023,	2031.	2032	2033.	2034.	22035

and the second s

6YRC-DWIFT MAIE EST. VALUES(E+N+Z) (DEGREES/MOUM) -2.21340F-03-2.05+90E-03 3.74759E-05

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W	0.0 3.242E-01 1.473E 00 7.603E-02 1.194E 00 1.379E 00 1.016E 00 9.000E-01 2.594E-01 1.768E-01 5.199E-01 1.013E 00 4.066E-01 1.013E 00 4.066E-01
ERRUR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO UNIFT MATE EST. (UD44) (AKC-SEC) N-S E-M	0.0 1.108E 00 -1.009E 00 2.239E 00 -2.000E 00 2.753E 00 -2.000E 00 3.373E 00 -2.030E 00 3.927E 00 -3.957E 00 4.653E 00 -3.997E 00
HEAL-TINE EST. OF CHANSE (DMR) (ARC-SEC) N-S E-W	0.9 1.432E 00 4.645E-01 1.754E 00 -3.185E-01 3.617E 00 -9.832E-01 3.653E 00 -2.179E 00 3.550E 00 -2.436E 00 4.973E 00 -3.006E 00 5.666E 00 -4.581E 00
ID TIME NUMBER (SEC)	12035. 0. 2007. 496. 2005. 748. 2005. 996. 2003. 1686. 2092. 1724. 20901. 2033.

LLL-NT

:

HED EST.	
SMOOT T. CHI	N I
EST. FHOM SMOOTHER OF SERVING IN REAL-TIME EST. OF CHANGE IN DEFL. DUE	T RATE EST. (ARC-SEC)
EST. FR ERROR I OF CHAN	TO DRIF
EST. OF (DeR)	<b>2</b>
REAL-TIME EST. OF CHANGE (DMR) (ARC-SEC)	₹ S
11ME (SEC)	
IO Nijerić A	

10037	Ģ	6	9.0	9.0	٥.6	0.0	0.0
- 2001	•			- (	S SEEFENS	2 727F=A1	-2.461F-02
70007	9	4.4036-02			>		
		(		-2-251F 00	1.0455-01	1.785E-01	-1.105E UD
-102	920	00 33/1°3-	-APROCE -		70 110000		u
, n	1411		-ALASAF OC	-4.614F 00	3.127E-01	5.368E-01	-2.16/E
• • • • •	• • • •	1	111000			TO LANGE	2464 MT
- 12	2321	-6.010F 00	-B-047E 00	-6.65ZE 00	3.5666-01		3+0+01
• • • • • • • • • • • • • • • • • • • •					S STAFFER	•	-1,500F
	3239.	-9.831E 50	-1.506E UI	27.17.4	20121200	•	
) ) (			[ 0 366 E.	TO BICK IL	1.3275-01	-1.512E 00	
*02	*20*	11.4/65 01		1.30.1	10 1101		
4	EA17		1,7005 01	-1.546E 01	-1.274E-01	-1.745E 00	
· nav	-					A CABE AN	
706	6883		-1.903E 01		-7.172E-01	-C.507E 00	317001
			( C U V U C C		11.027F AD	-0-141E-01	
Z97.	1201						
4	1444		-1.490F 01	-2.241E 01	-1.350E 00	-3.816E 00	-1.355E VI
• <u>6</u> 6					L		
0000	8547	-2.815E 01	-1.283E 01	-2.369E UI	-I-669E 98	JCC+*+-	
			7 × 6		12.327F AA	SKALSAE DO	-7.549E 00
クラフラ					-C-76-E-00		

1.000

RUN #13A

PO :	i I
EST. (DHS) SEC)	M
<b>T</b>	0 1 2
OF EST. DUE.	
EST. FHUM SMOOTHER OF SIERRUR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE.	FRATE EST. (ARC-SEC) E-W
	TO URIFT (DUHR) N-S
REAL-TIME EST. OFCHANGE (DHR)	* •
REAL-TIN CHANGE	S 1 Z
TIME (SEC)	
ID NUMBER	

0.0 8.643E-02 1-2.952E-02 1-2.954E 00 1-5.231E 00
66-03 66-03 06-03 96-03
040000
E 00
0.0 -8.849 -9.377 -1.900 -2.817
- 00 00 00 00 00
0.0 -2.006 -3.972 -3.972 -5.670
0000
0.0 -2.061E -9.042E -4.854E -8.047E
00000
0.0 4.403E-02 -2.061E-03 -2.006E-01 -8.849E-02 2.446E-01 -2.172E 00 -9.042E-01 -2.044E 00 -9.377E-01 -1.286E-01 -4.077E 00 -4.854E 00 -3.972E 00 -1.900E 00 -1.050E-01 -6.010E 00 -8.047E 00 -5.670E 00 -2.817E 00 -3.339E-01 -9.831E 00 -1.566E 01 -7.825E 00 -4.073E 00 -2.006E 00
862. 1611. 2321. 3239.
100027. 100027. 201. 202. 31. 20203.

## 6YRO-DRIFT RAIE EST. VALUES(E.N.Z) (DEGREES/HOUR) 2.90018E-03 6.46699E-04-1.45188E-04

{ ;

RUN #13B

5, OF E-W	
EST. (DHS)	
SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W	
OF EST. DUE	
EST. FROM SMOOTHER OF SIEROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DRIFT RATE EST.	ANC-SEC E-E
EST. FWO ERROR IN OF CHANG	SHAD SHA
EST. DHR) C) E-	
REAL-TIME EST. OF CHANGE (DHR) (ARC-SEC) N-S E-W	
TIME (SÉC)	
ID NUMBER	

	00	00	0	<u>ه</u>	70	9	9
0	-3.452E	1 -3.468E 00	-4.94BE	-6.594E	-9.949E-	1.040E	4.018E
0.0	-8.328E-01	-9.412E-01	-1.447E 00	3.801E-01	-2.354E 00	-2.822E 00	-3.472E 00
0.0	69E-0]	ŏ	ŏ	ŏ	1.763E 00	ŏ	ŏ
0.0	-4.05BE	0 -6.431E 00	-1.067E	-1.247E	-1.404E	-1.549E	-1.815E
0.0	0 -2.665E 0	00 -2,327E 00	01 -3,364E 0	01 -4.895E 0	01 7.681E-0	01 2.833E 0	01 5.789E 0
0.0	-4.801E	-7.372E	-1.212E	-1.209E	-1.639E	-1.832E	-2.162E
Ġ	3 300	2198.	3644	4262	4802.	5308.	6243.
10201	700	7 6 6	206.	207	208.	209	20210.

المالون والطبائل المتكافية فالمفرو المرمية المتحاطة معداء فاعتطاها مدماء كتم جالمه مالكلمات فالمامة المالمات مشداء م

	L TE
	57. 0F 0HS) C) E-W
	SEC SEC
4	SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W
RUN #14	نیا ہ
R E	PS DU
Ç	EST. FROM SMOOTHER OF ERROR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DRIFT RATE EST. (DDHR) (ARC-SEC) N-S E-W
	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
GREES/	EST. FRO ERROR IN OF CHANG TO DRIFT (DDHR)
2) (DE E-04	
. N.	ST.
ES (E	ME E
VALU	REAL-TIME EST. OF CHANGE (DHR) (ARC-SEC) N-S E-W
7. 86E	A O Z
E ES	ISEC)
RAT 03 4	TIME (SEC)
YRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 3.29089E-03 4.07786E-03-1.88435E-04	ID NUMBER
× 6	ž

				_	_			_			
							00				
0.0	-7.261E	-6.252E	-5.950E	-6.801E	-5.554E	1.489E	3.714E	8.338E	1.023E	1.020F	
	00		00	00	00	00	00	00	00	C	3
	.931	.971	.465	.297	.660	.126	6.816E	.213	613	410	1010
	00	0	00	00	0.0	0	01	-	[		7
0.0	.199	916	382	.146	256	544	1.784E	.036	225	7.70	177
	00	00	00	00	0	0	6	0		6	5
•	.816	3.348	5.506	8.122	1.156	1.465	-	2.035	2,269	1000	767.
	00	0	-01	0	0	<b>-</b>	7	5	5	;	7
0.0	-5.062E	,	4.3165	2 . A & S. F.	7.00AF	169AF	2.155F	2 870F	2.24RF		3.2/UE
-							3 2				
6	1.18&F	10111 10111	-4.041F	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	700	17 F 20F	- ARAF	1,0045	11 0000	1000	-1.829E
ć	544	000	1 40 4 1	22.50	1060	*C70*	**************************************		2000	• • • •	<b>6199</b>
16006	10000	200	200	- 000	C (14 •	. CO.2	4. C	202	•102	<0000Z	20027.

.

And the second of the second o

E SENERAL SE

**1** 3

# GYRO-DRIFT FAIE EST. VALUES(E,N,Z) (DEGREES/HOUR) 2.45221E-03 2.70133E-03-6.69562E-05

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W
THER OF TIME EST. GEEST. SEC.)
EST. FROM SMOOTHER OF SERVOR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO URIFT RATE EST. (DUHR) (ARC-SEC)
REALTIME EST, OF F CHANGE (OHR) (ARC-SEC) N-S E-W I
REALTIN CHANGE (ARC-
TIME (SEC)
IO NUMAER

		0			
ပ သ	-6.517E	-4.903E	-3.782E	-3.684E	-1.257E
0.0	1.466E 00	3.506E-02	3.838E-02	1.179E 00	2.618E 00
0.0	1.455E 00	2.631E 00		6.029E 00	8.265E 00
<b>0•</b> 0	.1.350E	-2.436E 00	-4.079E	-6.003E	*8.520E
ع 0	-5.062E 00	-2.273E 00 -	4.314E-01	2.345£ 00	7.008£ 00
0.0	1.154E-01	-2.451E 00	-4.041E 00	-4.824E 00	-5.901E 00
0	544	992	1608.	2335.	3262.
10208	207.	206.	205	204.	20203.

	SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W
	EST. FHUM SMOOTHER OF ERRUR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO URIFT RATE EST. ADUHR) (ARC-SEC)
4.65957F+03 5.09096E-03-1.12147E-04	REAL-TIME EST. OF CHANGE (OHR) (ARC-SEC) N-S
60°5°5°	TIME (SEC)
4.659575-03	8. C.

		7.084E 0			
	00	00	00	00	00
٠ د	2,2235	2,614E	2,825E	1.888E	1.945
	00	00	03	0)	0
0.0	4.062E	7.460E	1.105E	1.374E	1.398E
					0
0.0	-3.841E	-7.252E	-1.100E	-1.407E	-1•433E
	00	0	7	てっ	70
0.0	5.920E	1.454E	2.169E	2.547E	2.569E
	00	00	0.0	C	, <del>,</del> ,
0.0	-1.618E	-4.638E	-8.237E	-1.21BE	-1.239E
<del>.</del>	_	1508.	_	_	_
10203.	31.	202	201.	200027.	20027.

-

.

Company of the control of the contro

Marie de la companya del companya de la companya del companya de la companya de l

GYRO-DRIFT RATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 1.18281E-33-1.54473E-03-3.78962E-05

. OF
EST. E (DMS)
SMOOTHED EST. OF CHANGE (DMS) (ARC-SEC) N-S E-W
OF EST. DJE
EST. FROM SMOOTHER OF SNEERDR IN MEAL-TIME EST. OF CHANGE IN DEFL. BUE TO DRIFT RATE EST. (DDHR) (ARC-SEC)
57. OF 48)
#E ES
REAL-TIME EST. OF CHANGE (DHR) (ARC-SEC) N-S E-W
TIME (SEC)
ID NUMBER

00 O Ç, -3.980E-01 1.270E -5.962E 2.269E 2.031E -3.662E -3.658E -3.80SE -5.89BE 0.0 00 00 00 -7.582E-02 2.955E 5.307E 1.947E 1.679E 4.679E 4.234E 1.357E 2.738E 0.0 -1.488E-01 -2.253E -3.967E -5.761E -5.876E -6.740E -8.206E -8.296E -3.110E -1.135E-01 -1.627E -2.194E -2.736E -3.784E 360E.4--5.076E -3.84BE -5.034E •• -5.467E-01 -9.829E-01 -8.210E-01 -1.936E -9.423E -9.534E -1.055E -1.417E -1.419E 0.0 2.571E 00 -1.571E 00 -1,893E-01 3.206E-01 7.604E-01 8.946E-01 3.860E-01 -3.719E -3.355E 0:0 1429. 96 1957. 3551. 5024. 2479. 3619. 4972. 4125. 27. 29. 29. 30. 100022. 200031. 20031. 10022.

,我们就是这个人,我们就是我们就是我们就是我们的,我们就是我们的,我们的一个人,我们们的,我们们的,我们就是我们的一个人,我们们的一个人,我们们的一个人,也是是

the state of the state of the

GYRO-DRIFT BATE EST. VALUES(E.N.Z) (DEGREES/HOUR) 5.62151E-03 4.55125E-04-1.25910E-04

SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-H
EST. FROM SMOOTHER OF ERRUR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DRIFT HATE EST. (DDHR) (ARC-SEC)
REAL-TIKE EST. OF CHANGE (DHR) (ARC-SEC) N-S
TIME (SEC)
ID NUMBER

	0000
35 W	0.0 1.573E 1.164E 5.142E 5.242E
ショウ・コンドン・ロット ロット・コンド・ロット・コンド・ロット・コンド・ロット・コンド・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット・ロット	0.0 1 4.366E-01 1 1.515E 00 1 -3.038E-01 1 -3.545E-01
DEFL. DUE E EST. C-SEC) E-W	0.0 3.643E-01 4.414E-01 3.86E-01
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	00000
OF CHANGE IN DEFL. TO DRIFT RATE EST. (DDHR) (ARC-SEC) N-S E-W	6.0 -6.176E -9.024E -1.595E
0 F	0000
C) E~#	0.0 1.937E 1.605E 5.536E 5.617E
₩ W	0000
(ARC-SEC)	0.0 -5.739E -7.598E -1.626E
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	10331. 29. 29. 20027.

GYRO-DRIFT RAIE EST. VALUES(E.N.Z) (DEGREES/HOUR)

	0 0 H
	EST.
	SMOOTHED EST. OF CHANGE (DHS) (ARC-SEC) N-S E-W
	OF EST. DUE
	EST. FROM SMOOTHER OF SERVOR IN REAL-TIME EST. OF CHANGE IN DEFL. DUE TO DRIFT RATE EST. (DOMR) (ARC-SEC)
	EST. FRO ENUCE IN OF CHANG TO URIFT COURT
-6.63752E-04-1.13205E-04	IME REAL-TIME EST. OF SEC) CHANGE (DHR) (ARC-SEC) N-S E-W
9	11ME (SEC)
5.04237E-03	ID

1.514E 00 1.413E 00 8.034E-01 6.176E-01 0.0 2000 -1.157E -1.026E -1.335E 0 -5.927E-01 -2.745E -1.053E 0.0 -4-010E -6.644E -1.437E -1.473E 0.0 -1.942E 00 -2.222E 00 9.2095-01 3.592E-01 0.0 797. -5.168E 1323. -7.669E 2866. -1.578E 2962. -1.588E -1.58ĒE 0.0 26. 200002 2002 10027

{ :

.

1

A STATE OF THE PERSON AND ADDRESS OF THE PER

### APPENDIX D

REAL TIME ESTIMATES, SMOOTHED ESTIMATES AND ERRORS IN THE ESTIMATES OF THE DEFLECTION OF THE VERTICAL CHANGE FOR THE ORIGINAL MISSIONS

This appendix presents deflection of the vertical data associated with the original 17 missions as they were run at White Sands. The data is divided into four groups:

- Real Time Estimates of the Change in the Vertical Deflection
   Components (DE and DN generated by the real time software)
- II. The Error in the Real Time Estimate of the Change in the Vertical Deflection Components (The difference between the known reference value and the real time estimates).
- III. The Smoothed Estimate of the Change in the Vertical Deflection Components (Generated by the off-line Fortran Smoother)
- IV. The Error in the Smoothed Estimates of the Change in the Vertical Deflection Components (The difference between the smoother computed change and the known reference value change)

### LIST OF ILLUSTRATIONS FOR ORIGINAL MISSION DATA

### I. Real Time Estimate of the Change in the Deflections

<u>N-S (ξ)</u>		$E-W(\eta)$
Figure	Run Identification	Figure
חי ו	# 3	D2.1
D1.1		
D1.2	# 4	D2. 2
D1.3	<del>#</del> 5	D2.3
D1.4	#6	D2.4
D1.5	# ?	D2,5
D1.6	#1	D2.6
D1.7	# 2(2)	D2.7
D1.8	# 9	D2.8
D1.9	- # 2(1)	D2.9
D1.10	# 8(2)	D2.10
D1.11	#10(2)	D2.11
D1.12	#10(4)	D2.12
D1.13	# 13	D2.13
D1.14	# 14	D2.14
D1.15	# 16(1)	D2.15
D1.16	# 16(2)	D2, 16
D1.17	# 1 é(3)	D2.17

### II. The Error In the Real Time Estimate of Change in the Deflections

$N-S(\xi)$		E-W(T)
Yigare	Run Identification	Figure
D3.1	<b>#</b> 3	D4.1
1)3, 2	# 4	D4.2
D3, 3	# 5	D4.3
D3.4	# 6	104.4
D5, 5	# 7	D4.5

### III Smoothed Estimate of the Change in the Deflections

N-S (5)	•	$\mathbf{E} - \mathbf{W} (\mathbf{T}_{\perp})$
Figure	Run Identification	Figure
1)5.1	# 3	D6.1
D5.2	# 4	1)6.2
135.3	<b>#</b> 5	1,6.3
D5.4	<b>₩</b> 6	D6.4
D5, 5	<b>#</b> 7	D6.5
IJ5.6	# 1	D6.6
1)5.7	* # 2(2)	D6.7
D5.8	<b>#</b> 9	D6.8

## LIST OF ILLUSTRATIONS FOR ORIGINAL MISSION DATA (cont)

### III. Smoothed Estimate of the Change in the Deflections (cont)

N-S (ξ) Figure	Run Identification	$\frac{\text{E-W}}{\text{Figure}}$
D5.9	# 2(1)	D6.9
D5.10	#8(2)	D6.10
D5.11	#10(2)	D6.11
D5.12	# 10(4)	D6.12
D5.13	# 13	D6.13
D5.14	# 14	D6.14
D5.15	# 16(1)	D6.15
D5.16	# 16(2)	D6.16
D5.17	# 16(3)	D6.17

## IV. The Error In the Smoothed Estimate of the Change in the Deflections

<u>N-S (\$ )</u>		$E-W(\eta)$
Figure	Run Identification	Figure
D7.1	· # 3	D8.1
D7.2	# 4	D8.2
D7.3	<del>#</del> 5	D8.3
D7.4	# 6	D8.4
D7.5	# 7	D8.5

						TEEN	75 NA			FIL			
	00	#1 -		OSA S	В.								
		E)	, , ,	REH)_		HTRO			CHANG FLECTI	E IN	THE		
	5.00		IJ			: 1   : 1   : 1	1 1						
- (	,												
	10.00		; ; ; ;	<b>©</b> #3	~ RH	DDES	1					1.3	
Ç.	,	1			9								
	15.00					<b>c</b> i						!	
NGS	. 3						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
SECONDS	20.00												
ARC	; ; <b>!</b> .	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;						#6 -	WC-50				
	25.00				- 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								
	red.	· · ·			,		1		<u>.</u>				
	-30.0G	. 1			alamaha ka sa sa sa				-	(a) #	·   - O-	-48	
			; 				· .						
	-35.00			 				1				<b>3</b>	) - HANFORD
,		<u>.</u>											
	07.00 CO									_'	<u>.</u>		
	α'	. 00	G	50	1	.00	[	. 50 ม ผสถ	i !	ייי בייי	2	50	3.00
ı							Figu	N HOU					

Transferred &

The state of the s

こうによって、これを見れるからなどできては最高を見れている。 ままれたがはれるががある。人気がものでは、

PAC SECTIONS

## - 2011 AROSA 18.E.							1			ž	SECONDS	2									
# - 111 ARUSA 5.12.  ## - 2111 ARUSA 5.12.  ## - 1111 ARUSA 5.12.  ## - 1111 ARUSA 5.13.					₽ - * 76.1~	** **	ָּבֶּבְּ בַּבְּבָּי	ī	St. G	 دع		90	<b>9-4</b>		<b>2-4</b>		₩-4	, do		5.00	
######################################	, ;	ÜŪ	L.		<b></b> ,	t !		ias		7 7 5-4		:			1 - vilia		٠, ١	; ; ;	= 4		1 1 1
PEAL TIME ESTIMATE OF THE CHANDE IN THE  NORTH - SOUTH DFFLECTION  D		C				1000 8.0	•	, -{u	1 / saturate s	- <del>20</del> 4 •					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		***				
THE ESTIMATE OF THE CHANDE IN THE  NORTH - SOUTH DE LECTION  CO		50				.,	ļ		· · · · · · · · · · · · · · · · · · ·				(C)		; : ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	* * * * * * * * * * * * * * * * * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		MEHL		
ESTIMATE OF THE CHANDE IN THE DRIH - SOUTH DF LECTION  DO W5 - SALT  DO W2 - CASIS  VALLEY ASTRO  VALLEY ASTRO  JULIANOSA S.B.  JULIANOSA S.B.	,	1	6.D.			چ <b>روده</b> د د.	n amana	e disperi	. <del></del> ,	 	23 <b>622.8 (24782</b> 1)		#4 -	ů.	1			1	,	<b>*****</b>	THMT.
THE OF THE CHANDE IN THE SOUTH DEFLECTION  D	N	. 00					1		1 . 1 .				VALL							- 65 - 47 - 32	тевли
#7 - 41953  #0 #2 - CASIS  #0 P, 60 2.50 3.00  N HOUKS	THE 1	7											BY AST			-		: : : : : : : : : : : : : : : : : : :	, –		75 DR
CHANGE IN THE -LECTION	N HOU	50			4	   · ··		1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		(			rko .			47	( <b>7</b> )	: : : : : : : : : : : : : : : : : : : :			ra, Ru
GE IN THE ION  WS - SALT  O  W2 - CASIS  W1 - TULAROSA S.B.	ks					-	] 			:=+ ====						ALGE?		0		PUG	¥, <b>1</b> 5
THE SALT  O  O  O  O  O  O  O  O  O  O  O  O  O	-	. CC			ļ <b></b>													1			. LEG-
D D J J J J J J J J J J J J J J J J J J		2				ļ 			- , "		<i>i</i>				<u>.</u>			SALT	וחב	TUE -	
J. J	1==:	50		<u> </u>	 				i <u>- 1</u> L		1 :				#2	i : ; ; ; ; ;	#				
Λ 5.Β.		3	!	! :		! 		! ! !	ILAROS.	n	: ,				  - QAS			;			
		.00							Λ <u>5.Β.</u>				i i		15	, , , , , , , , , , , , , , , , , , , ,					

					WHI	ESON	os ce	AL RU	J = 6.	LEG-				
	10.00	Tagger ve		REAL	i	;	ATE OF				THE			
•	35.00											··· •	,	
	30.00				,	,	-	   			}			
	25.00	-				- 					- '		,	
SECCINDS	รถ. อด	***************************************		#8 -	SEEHO	RN (D)				·				
ABC	. 00		•,	 	, D	· <b></b> -	0	#10	- NICK	2			-	
	00 15		0		~	- 1 1								
	1p.		<b>0</b> #	3 - GL	л Л			<u>.</u>	<b>0</b> #15	- CO	, NN		!	
	S, 00		(E) 								!			
	00.00	.00	- WC-	50 . 00	. z	.00	3	. 00	<u>.</u> 4	.00	5	.00	, 6	. 00
į	-					7	IME II Figur	N HOU	R5		<u>.</u> L	 		

						ESAN		a RUN		FG-1				
	0.00													
	3			REAL		STIM BRTH	ATE 01 - 50U	THE TH DE	CHANC	ON.	THE			
	35.00													-
1	30.00													. :
	; . 						0					_		
	25.00			#7 -	D-3	<b>.</b>	0							! 
SECONDS	0.0	: 1			6		0	#3 <b>-</b> (	GUN		-	· : : ' · · · · · · · · · · · · · · · ·		•
ARC SE	2p.00					. 111 7 <sub>11</sub> 1			#1 -	WC-50		1 1 1		
~ T			, "	, ,	' 1		'   '		! : 1			٠. ١		
Œ	00			O				1						
<b>E</b>	15.00													
R			Đ											
B	10.00 15.00		<u> </u>											
. B	00 1 1 00		<u> </u>	<b>U</b>	ITE									
E .	15.00		þ	<b>U</b>										
Æ	ງ ຣຸ່ອນ 1b.ວດ		þ	U WH	ITE									
	ງ ຣຸ່ອນ 1b.ວດ		þ	<b>U</b>	ITE	. 0,0	3 IME I Figur	. 00		.00	5	.00	6	.00

the second control of the second control of

Ton and the second seco

:

# F

7 H H

· ·

transferred to the second seco

. ....!

 $\Gamma_{I}$ 

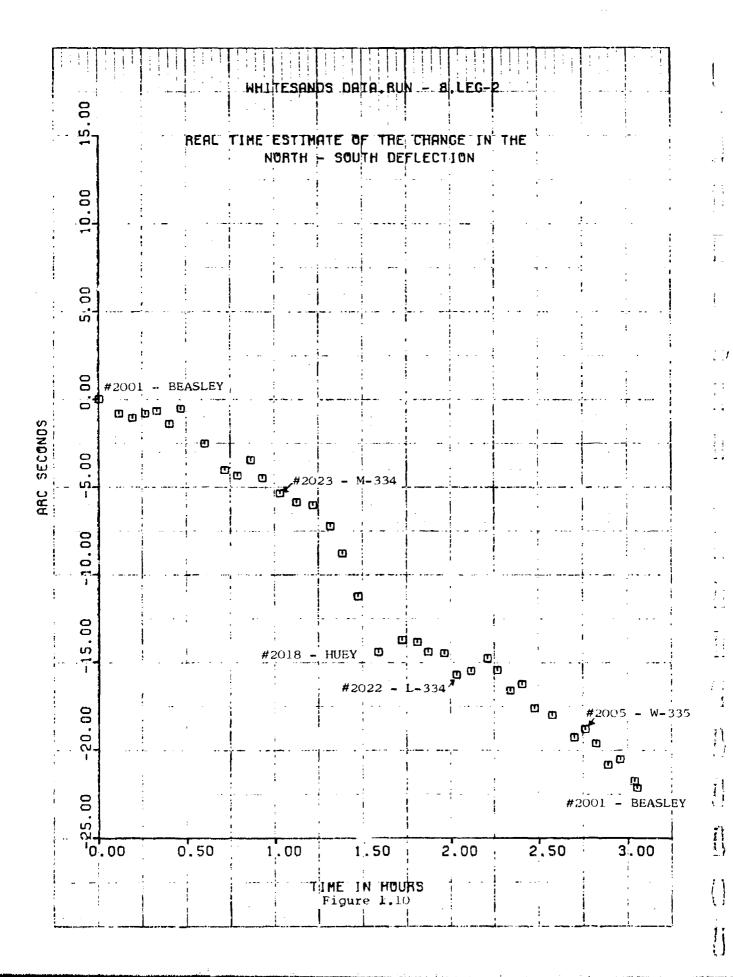
					MHI	TESAN	DS DA	ta, Ru	N - 1	LEG-	1			
	20.00	: : :		REAL	TIME	ESTIM	ATE O	FTHE	CHAN	GE IN		. =		
		:	. !		N	ORTH	- 500	TH DE	FLECT	ION				:
,	15.00					•	1 1 1 1 1					· ·		
	10.00				; 			, mare 2						
: : :	5,00	<b>.</b>			!			-					-	
ARC SECONDS	00 00	#3 •• 9	SANDS	NE BA	<b>ISE</b>	, , , , , , , , , , , , , , , , , , ,								
<u> </u>	5.00	· œ	<u> </u>											
i			d	<b>b</b> #7 -	ADD E	CC			; !	· · · · · · · · · · · · · · · · · · ·	!		,	
,	-10.00			(D)				. ,	-	1	1			
		- SAI	NDS SW	BASE	, , , , ,				₹ : • ·	! ;	:	i		
	-15			<del></del>	· · · ·	, , <u>.</u>	m #1	2 - MC	ORGAN		ļ		<u>.</u>	1
,	20.00		; ;	1		 		i i		<b>)</b> #20	;     01 - 1   	BEASLE	; <b>y</b>	: : :
	'o	.00	0	.50	1	.00	1	.50	2	.00	2	.50	, 3	.00
						<b>T</b>   	IME I Figu	N HOU	ias L					

**1** .

man every the second se

7]

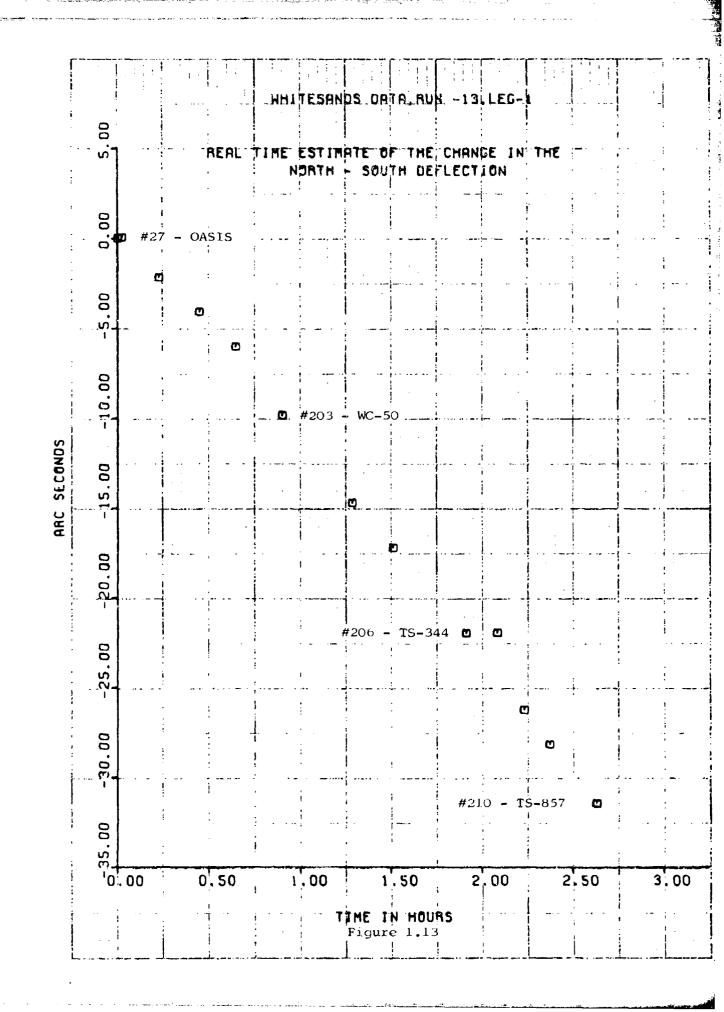
WHITESANDS DATE BUN - B. LEG-
REAL TIME ESTIMATE OF THE CHANGE IN THE NORTH - SOUTH DEFLECTION NORTH - SOUTH DEFLECTION D. #3 - SANDS NE BASE
DO SS-
SECONDS SOO 00 50 00 50 00 00 00 00 00 00 00 00 00
BU SECON BU WILL MORGAN BU #12 - MORGAN
2.00
8 #2001 - BEASLEY 8 1.50 2.00 2.50 3.00
10.00 0.50  TIME IN HOURS Figure 1.8

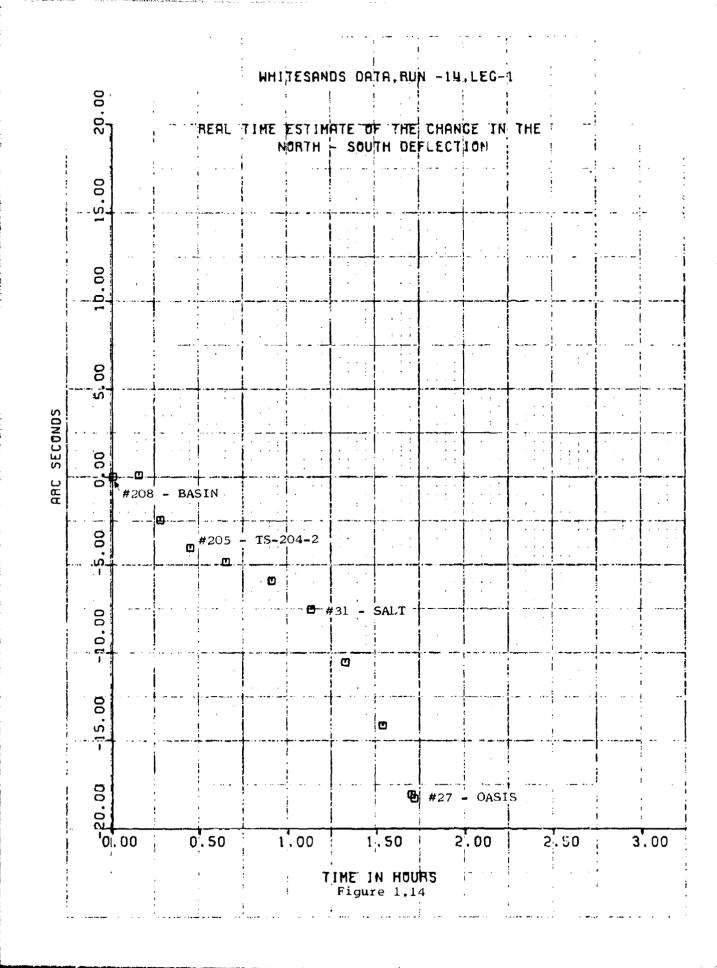


						TECON	os DA	O BU		LEC		1 1 1		
	40.00		The second of	REAL							;			
1	<b>.</b>	:		• 14.51L	N	DRTH	- 500	TH DE	FLECT	ON	1116			
	35.00	~- I												-
	30.00													
i					<u>-</u>				******				· ·	
တ	25.00		•			· · • · •		;		··· !				
SECONDS	2p.00								#2001	- BEA	SLEY			
ARC	2			;   :	: 		000	<b>o</b> :						
	. 00					ď	æ					- 1		
	0 15	· #20	31 -	YB57	യയ	D CD #	2035 -	NED		* · · · · · · · · · · · · · · · · · ·				
	10.00	-	· · · · · · · · · · · · · · · · · · ·	 			<u>-</u>		<b></b>			· • • •		
	0	-		<b>m m</b> #2049	- FIRI	E RM1			· · · · · · · · · · · · · · · · · · ·	 		<del>.</del>		
	5, 00	• •	0	: :			- <del></del>		 !	;	, ; ,			
	00	<b>U</b>	018 -	HUEV	-			• .	<b>!</b> <b>!</b>		: • • • • • • • • • • • • • • • • • • •		· :	
		.00		.50	1	.00	1	.50	2	.00	2	.50	3	.00
		<b></b>	; ;			· •	IME 11 Figur	и <b>НО</b> О	<b>RS</b> 2	·• ·	- -		:   	ſ

-

Ũ





				MHI	TESAN	DS DA	TA,RU	N -15	LEG-	1			
:	т 00 <b>т</b>		REAL		ESTIM ORTH	A1E 0 - SOU		CHAN FLECT		THE			;
	3,00	• • • •	 O	#27 -	- OASI		· '••• · · · • · ·				-		
; !	2:00	;	: .	:			 	·  ·	, .				, , , , , , , , , , , , , , , , , , ,
S0	1.00	-	 O	: : : •	, · · · · · · · · · · · · · · · · · · ·				· - - · - · · ·				
ARC SECTINDS	00 #22 0 <b>0</b>	<b>Ф</b> - ЈАСК	· (							- :			
	00.	 		· · · · · · · · · · · · · · · · ·		!			' ! !			_	
	-2-00		- <b>-</b>	· · · · · · · · · · · · · · · · · · ·	: ;	#30 -	G-48	, , , , ,		! :	~.		
	-3.00			:		•		· · · · · ·		•		• • •	
	0.00					. 0	<del></del>	SALT	<u> </u>			· •	
! !	0, 00	0	.50	1	. 00 T	I I I I I I I I I I I I I I I I I I I	.50 N HOU e 1.15		.00	2.	50	3	.00

The second of the second companies and the second s

	00				MHI	TESAN	os ba	TA.RU	1 1.6	LEG-	2			1 2
: ;	20		RE	AL T	IME N	EST I M BRTH	ATE OI - SOU	THE	CHAN	GE IN	THE			•
	15.00									-	i			4
	10.00													: 
	5, 00	· .	!	- 1						1			:	
ARC SECONDS	00	j #31	- SALT											
ď	5.00		!						- <u>-</u>					
	10.00	-			<b>n</b>	#. 	29 <b>-</b> V	ALLEY	ASTRO	-	• • •			
	-,15.00					• • • •				- !				1
: :	-50.00			:					•	#27	~ OAS	IS		
	<b>'</b> 0	.00	0.	20	0	.40 T	IME I Figur	.60 N HOU e 1.10		. 80	1	. 00	1	.20

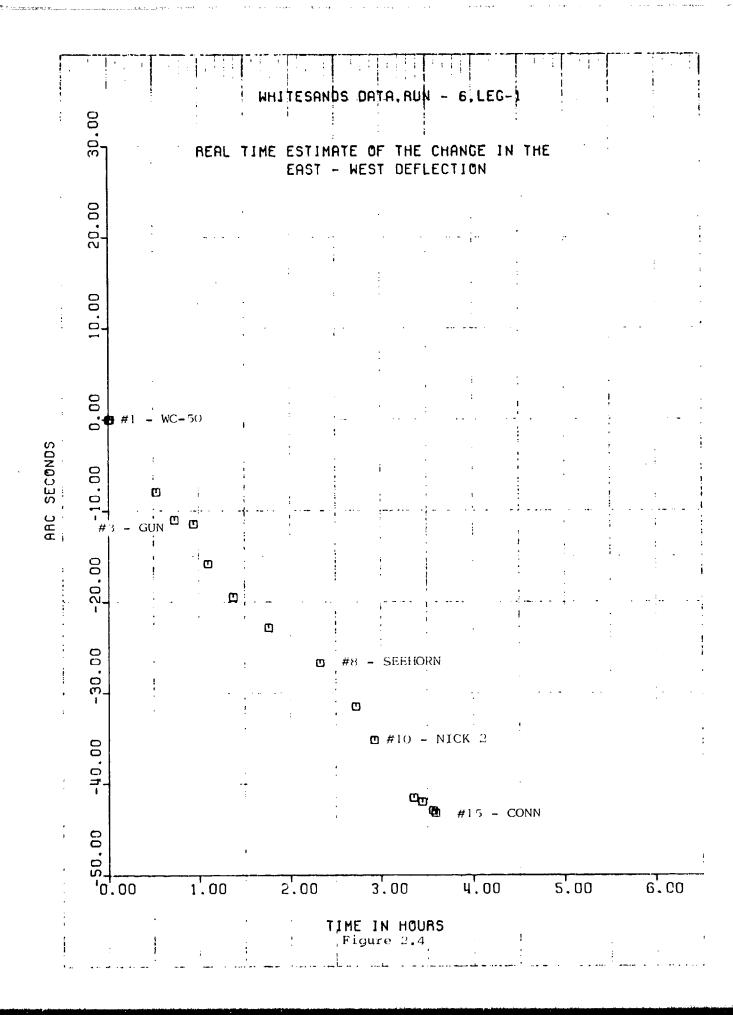
					WHI.	TESAN	DS_DA1	A, RU	N -16	LEG-	3.	1 1 1		
	20.00			REAL	TIME	ESTIM ORTH	ATE OF - SOUT		CHAN		THE	• • ;	<del>.</del> .	· · · · · · · · · · · · · · · · · · ·
	15.09	-			· ·			·				·····	· ,	
1	10.00	- w .			: - · · · · · · · · · · · · · · · · · ·	! !				-				
; ! !	5.00	i :		<del></del> .				·	·	-		· · · · · · · · · · · · · · · · · · ·		
ARC SECONDS	0, 00	#27	- OAS	SIS ·						-	- <b>-</b>			
Œ ,	-5.00		···								· · · · · · · · · · · · · · · · · · ·	. ,	- ·	
	-10.00	i :			0	#26 •	- MONUN	MENT 1	4					-
; ;	-15.00		- - - - -				: : : : :							
1	-50.00				;		- 1			Pc #2	22 <b>-</b> J	ACK	; ;	
	0	00	0	.20	0	.40 - ¬	IME I Figure	.60 N H <b>O</b> U e 1.17	RS `	. 80	1	.00	1	.20

おおかっ こだけがれ をなるてきるい あかち コ 7.

Re Marin

				WHITE	SANDS	S DAT	A. RUN	- 4	LEG-1		
	40.00		REAL TI	ME ES	; STIMAT ST =	TE OF	THE DEFL	CHANG ECT I Ö	E IN	THE	
ARC SECONDS	35.00			• •	:	:		·		, <u>-</u>	
	30.00	- •			:		1		!		!
	25.00	:		· .					<b>.</b> Olo #	 1 <b>~</b> TULAROS	A S.B.
	20.00				· · · · · · · · · · · · · · · · · · ·		<b></b>	#2 -	OASIS		
	15.00	:		:		<u>o</u>			· ·	1	
	10.00	: : :		·	<b>c</b> o	#5 <b>-</b> \$	SALT			,	
	5,00			<b>0</b> :	953	·	· · · · · · · · · · · · · · · · · · ·			: : : : :	·
	9,00	1	- HANFORD		.00	1	.50		2,00	2.50	, 3.00
:					T	ME ] Figu	IN HOL	: IRS :			

The company of the control of the co



7	: ! [			WHITESA	NOS DATA.RU	1 - 1 .LEG-	1	
	۳.00	:	REA		MATE OF THE - WEST DEFL		THE	•
•	2,00		-	·-·		400		
	0,00	_	SANDS NI	E BASE		- <b>4</b> 20	DO] - BEASLE	Y
;	-2.00	(C)	, o	· !			· ·	
C SECONDS	-4.00		<b>©</b> #1	7 - ADD ECC				
ARC	-b.00	; ; ;	<b>.</b>	: , O		* * * * * * * * * * * * * * * * * * *	, ,	
:		<b>!</b>		<b>o</b> #10 = 1	SANDS SW BASI	;		
	-8.00	· · ·				· .	-	<u>.</u>
:	-10.00				<b>o</b> #12 <b>-</b> M	<u>-</u> IORGAN		
•	12.00	,		:	•		<b>.</b>	
:	0	.00	0.50	1.00	1.50	2.00	2.50	3.00
i	! i.	! ! !	!!		TIME IN HOUR Figure 2.6	RS		; 

the state of the s

The state of the s

を対している。これである。これでは、100mのでは

To the second se

	1				МНТ	TESAN	ps da	IA. RU	<b>V</b> - 2	LEG-	2			1
	4 p. 00		<del>-</del>	REAL.	TIME	:	ATE O	THE		    GETIN	:			
	35.00			:  !		- 			1		: : : : :		!	
	30.00	- 1								!		*	· 	
	25.00							 	: : : : :	: ! #3	SANDS	NE BA	SE	
C SECONDS	20.00	· · ·				1		[D				i t		
ARC	15.00	*					æ #		ADD ECO					
	10.00			! :			<b>4</b> 9 -	C-322	2	1	: : : : : : :	 		
	00	-				1 : CD : D #1.1	- TR/	AVES	: : : : : : : : : : : : : : : : : : : :			· · ·		
#2		BEASL	EY	_ დ	†- · ·			-	•	<del></del>				
	ä	.00	. 0	50	1	. 00 T	THE I	.50 N HOU	ıks	.00	2	50	3	.00

00			WHITESAN	DS DATA.RU	N9, LEG-		
2	. 4	REAL	TIME ESTIF		CHANGE IN	THE	i :
8,00		· <sub>.</sub>			,	: : : .	
6,00	• •••	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			, ; ; ; , , , , , , , , , , , , , , , ,	· !
4,00				! ! !	! ! ! ! #3 ~	SANDS NE B	<b>AS</b> E
2,00			#5 -	OTERO ECC			
0, 00	<b>0</b> <b>10</b> #20		EY				
-2.00			•	. <b>0</b> : <b>0</b> #9 <b>-</b> C-	322		: :
00 -2				: <b>b</b>	·		† ************************************
÷.	# 14 -	LAB ASTR	·	MORGAN	<u>.</u>		
0-6.00	.00	0.50	1,00	1.50	2.00	2.50	3.
				: []ME	JRS	!	! ! !

and the second s

AND THE PROPERTY OF THE PROPER

Section 1

-

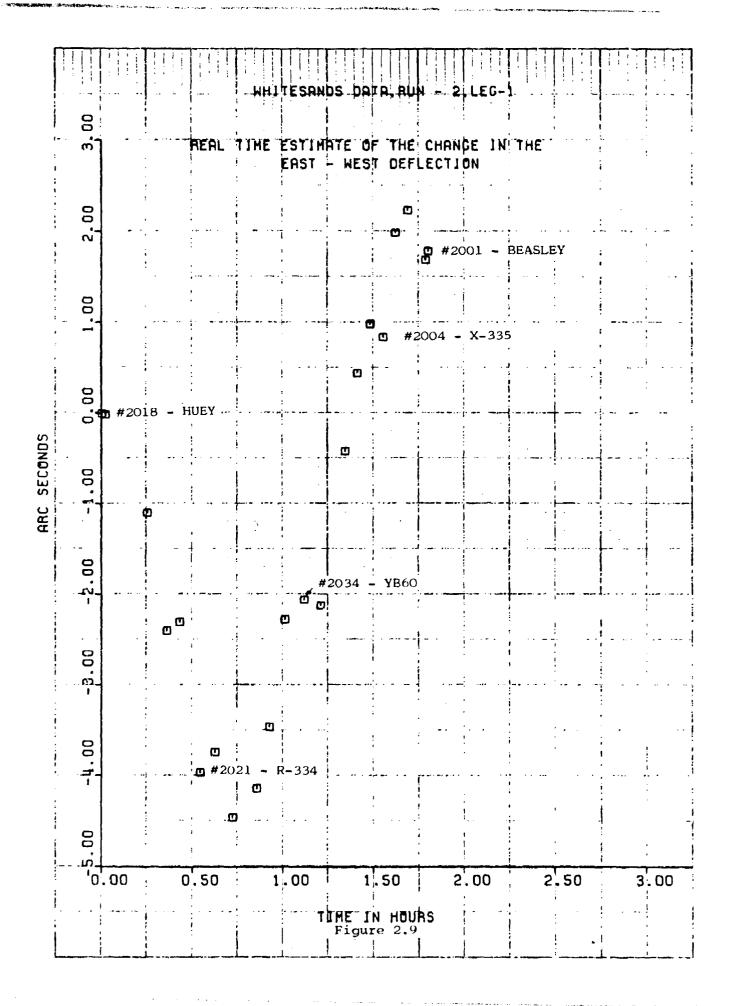
manda (managamana) managamanan da managamanan ang managamanan da managaman da

respect to be dependent on a second 

And the second s

A COMMITTEE OF THE STATE OF THE

{ }



00	i	• • • • • • • • • • • • • • • • • • •	NHI	TESAN	DS OA	raRu	N £	LEG-	<b>e</b> .			
2.0	-	REAL			ATE OF				: I THE	· :	:	:
8	<b>0</b> #2001	- BEASL	ΕΥ	-1			2018	HUEY			•	
2.00		o 0		!	<u> </u>	<del></del>	· ·		· :	,		
1		c C	) o		. 0 6	. 0	<b>i</b>					
-4.00			. 6	©# <sup>#20</sup>	)23 - N	<b>1-</b> 334		· · · · · · · · · · · · · · · · · · ·	·			
-6.00	:		· :				0	- !	<u></u>	; ;		
8.00			:	! !						; - ······		
-10.00	:		·	· ·			0	<b>0</b> #3	: 2022 -	L-334		;
-12.00					· !			(D) : (C)	) (D) (D) (D)		3 <b>0</b> < # <sup>20</sup> 0 0 0	
14.00					:	·	<u>.</u>		·	;	#2001 	8
'0'. 0	D ;	0.50	1	.00 T	IME II Figur	.50 N HOU o 2.10	1	2,.00		2 <b>.</b> 50	3	. o

(S. C. III

Maring a second

1

Į į

-				LHM	TESAN	DS_DA	TA,RU	N ←10	LEG-	2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2,00		·	REAL		ESTIM East	RTE TO	F THE	CHAN LECTI	DN DE IN	THE		<b>i</b> :	
1,00	,			• ••								• · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
00.00	9				: . : . !						· ·	; ; ; ;	! !
	#20	01-BEA	ASLEY		:	,							:
- μ.00	C)	0   	2006 -	· V335	: • !							·	
- <b>P.</b> 00			-				:				,	 	
. 00			,	•	;	<u>6</u> 6		18 <b>-</b> F	             				1
-m_				#203	3 - YE	59		 					
- <b>i</b>		, .	, ·	 	· <u>c</u>		1		· : : : •	•	: ! 	·	:
-5.00				9	• •	· -		1		: : :	•		: !
·					; 0 #	! 2021 <b>-</b>	- K-33	1 4 !		• • • • • • • • • • • • • • • • • • •			i
0-6.0	.00	0	.50	1	.00		.50		.00	2	.50	; ; 3	.00
				· ·	<b>T</b>	ME I Figu	N HOU re 2.1	RS 1	!		} !	·	

A company of the second

A company of

Total Section 1

!!

1.5		REAL T	IME ESTI	MATE O				THE		
				•						
10.00				1				:		
	;			;		<u>!</u>			:	•
	•								•	
5,00		· · · · · · · · · · · · · · · · · · ·	٠.	· . ·		:	 i			į
		:		:		:	• .	· ·	:	· :
00				:	•	•		<u>.</u>		
0	ľ	8 - HUEY				• · · · · · · · · · · · · · · · · · · ·	 !		:	
	<b>O</b> ;		† - †					1 <u></u> -		
5.00	(	<u> </u>	; ;			<u> </u>	<u>;</u> <del> </del>	· : : <u></u>	<del>.</del>	<u>.</u>
( )	:		: :			:	, :			•
10.00	:	<b>o</b> #2049	- FIRE RM	11	:	<b>i</b>	:			
-10	!	· • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		· 			· · · ·		<u> </u>
	:	о		•		: :			i	1
5.00		<b>o</b> :			:	; ;				:
77			#2031 <b>-</b>	YB57		;	-		÷ .	
00			0 0			: :	<u>:</u>	•		
-20.00	,	. #2035	- NED T				•			
	:				0					
5.00	; !			:		#2001	- BEA	SLEY		
2-25	.00	0.50	1.00	······································	.50	,	.00	<del></del>	2.50	3.

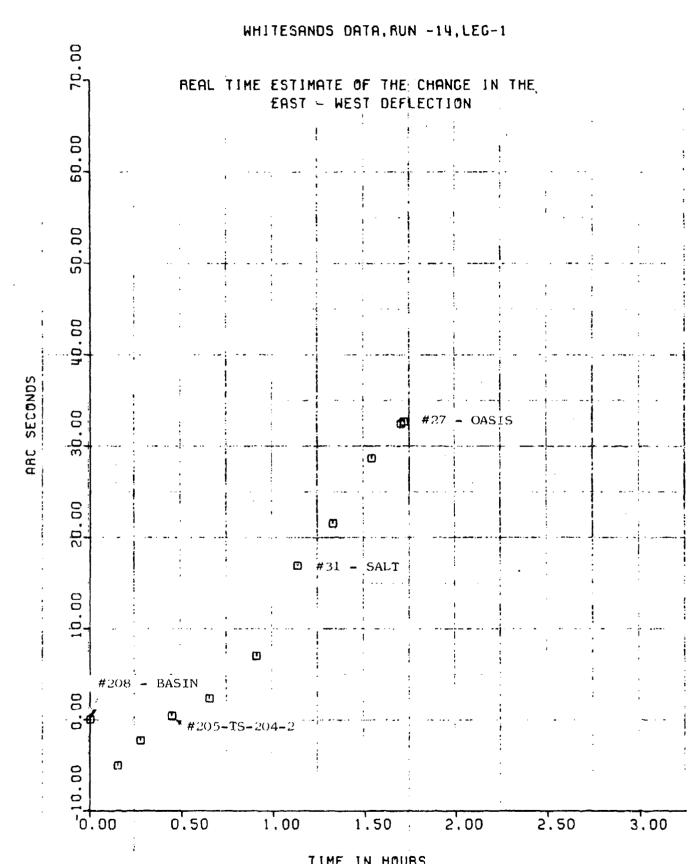
The state of the s

[				, : .	ині	TESAN	DS DA	TB.RU	N -13	LEG-					
:	15.00			REAL	TIME		ATE D	F THE	CHAN LECTI	GE IN	i !				
; ;	10.00	** ****	. <b></b>	1		i	; ; ;		1			: :	:		
;	00										) 		; ;	-	
:	5,0									 					İ
	0,00	#27 -	- OAS]			: : : :					: : : :	! :	<u> </u> 		! !
SECONDS	-5.00	·		! ! !							1	: : : : : :			
ARC	0.00	• · · · · ·		0		i									
	-10		· · · · · · · · · · · · · · · · · · ·			<del> </del> · ·				: :	; 		#210 -	TS-8	57
•	-15.00			<del>!</del>		#203	  -  - WC-	50		! c	0	; ! ! !	1		
	-20.00					1		! <b>!</b>		#206	- TS-	344	:		
:	25.00			: : :				! !							
1	_ <u> </u>	, 00	0	.50	j 1	.00	!	50	į	.00	2	.50	3	.00	! !
		, =				1	Figur	N HOU e 2.1	<b>RS</b> 3			· · · · · · · · · · · · · · · · · · ·			

Erickbangen d

A STATE OF THE STA

高級の場合を受ける。 のでは、「は、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、「日本のでは、」」、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、」」、「日本のでは、



TIME IN HOURS
Figure 2.14

					MR.I	TESAN	DS DA	IA, RU	N -16	LEG-	1			
	0, 00	#22 ] C					ATE O - WES		CHAN LECT I		THE			
:	-2.00			<b></b>	#27	OASI	s	•						
: :	-4.00	:						era. u			** <u>*</u> *****			
į	-6.00								:					- · ·
SECONDS	9.00												,	-
ARC	0.00			! ! ! ! - ~ · · ·	, q	<u> </u> 								
	12.00 -1					©	#30 -	G-48						
	-14.00 -	-		; ;										
	16.00		-			:		#31 <b>-</b>	SALT		• •		; ,	,
	'o'	.00	0	50	1	. 00 T	IME I Figure		:	.00	5	.50	3	.00

ericine of

A Control of the Cont

ATTENDED ATTENDED TO THE PERSONNEL PRODUCT OF

Selection of Contract of Contr

			WHITESAN	DS OATA,RU	N -15, LEG-	2	
7.00		REAL TI	_	ATE OF THE - WEST DEF		THE	·
6.00	• • • •	·			: <del>:</del>		•
5,00			·		<b>d</b> #27	- OASIS	·
4.00							:
3.00	:						
2, 00	:						
2 00 5	:	: <b>©</b>	<b>c</b>	#29 - VALLI	Y ASTRO		; ; ;
	•					: - <del></del>	
0.00	#31 -	SALT	- : :				
0-1.00	00	0.20	0.40	0.60	0.80	1.00	1.2
				IME IN HOL	ns .		

S. Children

The state of the s

and the same of the same and th

1

				WH	IJ TESAN	DS DA	TA.RU	N16	LEG~	3			
	1,50		REA	: AL TIME	EST IN	IATE D - WES	FTHE T DEF	LECT I	ON GE IN	THE			. :
	1,00		- · · · · · · · · · · · · · · · · · · ·	; ; ;		:- · · ·		· · · · · · · · · · · · · · · · · · ·					:
,	0,50			·	#26	- MONU	i I IMENT	14	:				
φ:	ວັນວ	<b>,</b> #27	- OASIS	S :	:		1		· · · · · · · · · · · · · · · · · · ·	!			
ARC SECONDS	-0.50										· · · · · · · · · · · · · · · · · · ·	- , -	
	-1.00		:				:		!			-	
;	-1.50		. !			-		† †					
; ;	-2.00		· ; •		ir V	: :	•	•	<b>o</b>	: :		•	1
:	-2.50					; ;		;		22 <b>-</b> J			
	<b>'</b> o'	.00	0.2	20	0'.40	TIME I	N H <b>O</b> U	¦ IRS	80	1 ! :	.00	: 1 ! !	.20

A CONTROL OF THE PARTY OF THE P

10.8	:		REA	L TIM	E ESTI		F THE	СН	ANGE .	: [N <sub>.</sub> T	HE .		
					חוחטא	- SOL	יות טכ	ירננ	CIIUN				
5.00									·-·				
						t i	; -	!	:	:	į.	1	
0.0	#l -	TUL	.AROSA	. S.B.	•	:	İ	•					
6			•	-		: :						į	
00		മ			· :				;	:			
-5.	;	· -				•				 }		:	-
00						į · · ·	· :	í	:		•	:	
-10.00	- }		<b>.</b>	#3 -	RHODES			!	••		: :	: :	••
	i !		•	: : •	•				1 :	İ	· !	:	•
5.00				:	·		:	!		;		:	
7-	- !		• •		<u> </u>		., ~	•			i	·	· ••• • • •,
00				•		:			;	•			:
-20.00						; ; · · ·	_ 4.	, Like	5 60 0	272			
00					•	;	<b>m</b> #6	4	C-50 E0	.(,			
-25.0				· ·	·			<b>o</b>					
İ									Œ	) #8	- Q-4	8	
30.00											(	( <b>0</b> ) #9	- HAN
ς, <del>1</del> 0.	.00		0.50		1.00	· 1	.50	<del></del>	2.00	<del></del>	2.50	)	3.00
	;					TIME   Figu	N HOL	RS		,			

eg, de tradice e haddalle ge George e bet ekt Medalle e bet e e e e e e e e bane e baller e

A CONTROL OF THE CONT

photograph in

{ }

	:				MH1	TESAN	ps pr	TR. R	ا -	- 4	LEG-				
i	5.00	• •		REAL	TIME	THE E ESTIM ORTH	HTE 0	FTH	E, C			THE			
•	0, 00	#9 <b>5</b>	: - HAN	; FORD <sub>,</sub> (						-			· :	- <del>-</del>	
:	-5.00					· ·					•	· ·	!		1 1
:	-10.00		: : :		7 _ 45	953					i : = -				1
SECONDS	15.00	<b></b>		<b>(c)</b> #/				1 -  - - -			·				
ARC	20.00				<b>.</b>		#5 ~	SALT.						. ,	
	25.00 -	·	1			· · ·						; ; ;	,		
:	-30.00 -		!				; ; ;	0	<b>c</b>	#2 -	- OASI	S			
	- 00'56'00				;		· :		f		<sup>மே</sup> ரு #1	, - TU	LAROSA	S.B.	
	'o	.00	0	.50	1	'.00 ד	IME I Figu	N HO	uks		. oo 	: 2 : !	.50	3	.00

[ ]

	2,00	:			· · · · · · · · · · · · · · · · · · ·	- "		
	ц. 00			·				
	6,00	3					#) - TULA	P D AROSA S.B.
·	8,00	; ;	<u></u> <u>.</u> <u>.</u>	: : ), #4 – VALLE	Y ASTRO			
	10.00						<b>u #</b> 2	- OASIS
	12.00					; <b>o</b>	œ	
	14.00	ţ		#7 - 4F)	53 <b>/ ©</b> ,	. ,	SALT	
	16.00		REAL	TIME ESTIMA - NORTH	RROR IN THE TTE OF THE C SOUTH DEFL	HANGE IN ECTION	THE	• •

Appropriate the state of the st

	16.00			REAL	TIME S	THE E	•	IN 7HE	E :	GE IN				
	14.00	- 1	  -  -  -  -	#8 -	SEEHOR						: : :			
,	12.00	1		: :		·		<b>c</b> o	- NIC	K 2				
	10.00	:	: : : : :	<u>.</u>			-			5 ~ C	NNO		., ~	
C SECONDS	8,00	·		:										
ARC	6, 00		. c	1	GUN	! !								
	9 00 n		; <b>,</b> 			•• ·	· · · · · · · · · · · · · · · · · · ·							
	2,00		;					<del></del> :	! ;			, , <del></del>	: :	
	. OD. GD	#) .00	: - WC-S	, <b>00</b>	, 2	.00	3	.00	, , <b>ų</b>	,00	5	,00	6	.00
				: !	; 	:	IME I Figu		1			·		

- The Control of th

: : : :

	40.00		REAL T	TI IME ES	ESAND: HE ERI STIMA RTH -	! ROR I TE OF	N THE	E CHAN		THE			
	35.00		; ;	:	; ; ; ;	į 			· • • • • • • • • • • • • • • • • • • •	•		. 1	; ; ;
:	30.00	:	· · · · · · · · · · · · · · · · · · ·	:		<b>-</b>		: • • •		1	; ;	i 	 
	25.00						<del></del>	: - - - -				; ; <del>;</del> - <del></del>	; ; ;
ARC SECONDS	2b.00	· - ·:					- #3 ~	GUN					
<u>a</u>	15.00	:	#7 ~	D-3 C	(O)			#1 -	- WC-50				
	10.00		· · · · · · · · · · ·	<b>.</b>	:						• • • •		
	5,00	:	0 0 0 *12 - W	HITE	:			: ! !		:		; ; ;	
#15 -	- CONH	.00	1,00	2	.00	3	0.00	•	4.00	; ; ;	- <sub>1</sub>	. 6	5.00
							N HO	1		:			

				HH.	TESAN	S PAI	A, RU	1 - 3	LEG-				
00 dh			REAL *	TIME	THE EFESTIME	. L	THE.	ECTI	GE IN	THE	(	· · · · · · · · · · · · · · · · · · ·	
35.00	**		· .					· · ., . •	: : : : :		 : :	•	
30.00	-	, , _		: : : :							. <b>. . . .</b> .	#9 <b>-</b>	HANFOR
25.00				:							· · · · · · · · · · · · · · · · · · ·		
2p.00		•	·				-		0	#8 -	Q-48		
15.00			· .					n	1				
10.00		!					#6	- WC-	50 ECC				
5.00 1			; ; ;	<b>. 0</b> #3 <b>-</b> 1	RHODES	:	:		*	• • • • • • • • • • • • • • • • • • •		!	·
	#1		JLAROSA		1.00	:	.50		2.00		2.50		3.00
. 7	្តិ <b>០០</b>		0.50	•	1	IME I Figu							:

PACSAGE A

The second second

.......

;			WHITESAN	IDS DATA, RU	N - U LEG-	1	
1,50	. :	REAL	TIME ESTIM	RROR IN THE HATE OF THE - WEST DEF	CHANGE IN	THE "	
1,00	· 		, 	4 4 	: ·		
0,50				• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		· · · · ·
0, 00	<b>j</b> #9 -	- HANFORD		; ; ;	! !		; i
-0.50		( <b>0</b>					
-1.00		; ; ;	!				
1.50		<b>c</b> #7	7 <b>- 4</b> F953		: : 1 #2 ~ OASI	: ! : :	
- 00	•		O			I - TULAROSA	S.B.
50 -2.				<b>. .</b>	,	· :	· -
لنہ	.00	0.50	1.00	#5 - SALT 1.50	2.00	2.50	3.0
:	, , ,		, T	IME IN HOU Figure 4.2	RS		

A secondary of the seco

Charles of the control of the contro

The state of the s

. . . . . .

1

: 1				WHI	TESAN	ns De	re, Ru	<b>V</b> –	6.LEG-	1			:
40.00	:		REAL	TIME	THE E	RROR .	IN THE	E CHAI	NGE IN	THE			
30.00	:		·••	: : :			· !	·• •	<u> </u>	•			
20.00		<u>.</u>	· ·				- :			1	• •···································		
10.00									· · · · · · · · · · · · · · · · · · ·	: 		· .	
0, 00	<b>9</b> #1	- WC	-50	· · · · · · · · · · · · · · · · · · ·			.,		· · · · · · · · · · · · · · · · · · ·				
-10.00			#3 ~ C	GUN					:		1		
-20.00				, : © :	· · · · · · · · · · · · · · · · · · ·	#8 ~	SEEHOI	: :		· [-··		·	• .
-30.00			,		,		#10 ·	- N]	ICK 2	:			
-40.00	.00			!	,			<b>(2)</b> #	15 ~ C		5,00		, 00
0	. 00 : :		1.00		2, 00 זיי	ĮME I	.00 N HOU re 4.4	RS	4.00	· .	ə, UU	5	. oc

The second secon

					MHI	TESAN	DS OA	78. RU	N - 7	.LEG-	1			
	20.00	<u>.</u>		REAL	TIME.	THE E	RROR ATE O	IN TH	E	GE"IN				
	15.00		-	• · .	· · · • · · · ·			1		· • • • • • • • • • • • • • • • • • • •				
	10.00										· • •			
S	5,00		-			-								
ARC SECONDS	#1500.0	CONI		, 12 - WI	HITE									
	-5.00			<u>. es</u> -		-					· · · · · ·			
	-10.00		• : •	:		ŗ	- D-3					<u>-</u> .	• • • • • • • • • • • • • • • • • • •	:
	-15.00			; , - ,		<b>O</b>		#3 <b>-</b>	GUN	· · · · · · · · · · · · · · · · · · ·		!	· · · · · · · · · · · · · · · · · · ·	
	20.00							•		WC-50			; ;	
	<b>'0</b> '	.00	_	1.00	. 2	. 00 T	IME I	.00 N HOU 10 4.5	RS	.00	5	.00	6	.00

.

00 4.00 6.00	SMOO,TH	HHITESANDS (	OF THE CH	-3, LEG	
.00 0.00 5.	TULAROSA S	•B•			
2- 00·h-		RHODES			
-8.00 -6.00	- : :	MC 30 FCC		··•	: #9 <b>6</b>
0-10.00 -8	0.50	1.00	1.50	2.00	#8 - Q-48

Company of the control of the contro

	0	· -		ини	TESAN	DS. DA	ra. Bu	N U	LEG-	<b>1</b>			
; ;	16.00		 SHOO	THED	ESTIM DRTH	ATE O	THE	CHAN	GE IN	THE			
•	14.00		 · · · · · · · · · · · · · · · · · · ·	:							·	; 	
! !	12.00								-	i	-		!
(O	10.00							 					
ARC SECONDS	8,00		 			<b>-</b> 0	<u> </u>	#2 -	OASI	S			
	6.00		 #5 	- SAL	т 🖲				<b></b>	1 - Tl	JLAROS	A S.B.	
:	ų, 00	-		<u>.</u>	·							     	:
•	2,00		 e #7	- 4F	953								
	₽; ea	#9 00	 ORD	1	.00	· 1	.50	. 2	.00	2	.50	3	.00
					!	IME II Figur		ĺ	i i ·				

Print related to

b-marrament to

Parameter .

Transport .

. . .

The second secon

Harry of St. Carry 1991

	16.00			SMOOT	'HED'	TESAND ESTIMA	TE OF	THE	СНАИ	GE IN	:			1
	14.00			:				:	: :	· · · · · .				
	12.00				•			: : :	<u>-</u>	•				
د	10.00		• • • • • • • • • • • • • • • • • • •	· ···	••			<b>(</b> 0		#5 <b>-</b> S	SALT			
ARC SECONDS	8,00				<b>0</b> #.1	U    - VALLI 	EY ASI	#7 <del>-</del>	4F953		œ ·		-	:
	6,00		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;					•		:	Œ	1 #2 -	OASIS	
	, 00 h		ø	!	·				:		: : : !	:		:
	2,00							<u>-</u>	: !				· • • · . ·	
		#1 0.00		AROSA		1.00	1	.50		- TUL/	·	S.B.	© 3.	00
			: : :	· .	<u> </u>	; T	IME I Figu	N HOU	iks	; ;	!	:		

Page 1 and 1

	00.			!	инл	TESAN	ps DA	ra, Ru	si 6	LEG-				
	35			SMOO	THED N	ESTIM ORTH	ATE D	THE	CHAN	GE IN ION	THE			
	30.00		•	·	: !	·				: : : : : :	· · · · · · · ·			•
	25.00		-							: : :- <del>-</del> -	•	· •		
:	20.00			: : :	• · · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • •			: · .		, t		- :
SECONDS	15.00			: : : :		!	<b></b>	SEEHOF	RN				-	-
RRC	10.00		Œ	i en	0			! ] : :	-					
,	11		<u> </u>	3 <b>-</b> G	JN		0	#10	- NIC	K 2				
•	2, 00	į	و		• •	<u></u>		•	<u>.</u>	· · · · ·	· -	, 1	! 	;
	0.00	: ; <b>;</b> #1. •	- WC-	50 -	: - <del>-</del>			<b>.</b>		; ! 	: : · - <del>-</del>		. <del>-</del>	
,	00							· ·	<b></b>	5 <b>-</b> CC	NNO !			!
	•	.00	1	.00	2	.00	. 3	.00	ų	.00	5	.00	6	.00
		; ;	: :		i i i	<b>T</b>	IME I Figur	N HOU	R5			!	;   	

i i

]

「「「大きのできないというないのでは、いちのでは、これできない。」というできないできないできます。 これをしている こ

AND THE PROPERTY OF THE PROPER

	00				. WHI	I E SAN	DS DA	TA. RU	N - 1	.LEG=	<b>1</b>			
:	10.	;	. <del></del> ,	SMOO	THED !	EST IM DRTH	! ATE "0 - SOU	F THE	CHAN FLECT	GE IN	THE			
	8,00		i	· ·	: :	~ ***			 	<del></del> -	'   		- <del>-</del> - :	: : :
	6,00	:							• •···	:				
	u, 00			· · · · · · · · ·		: 	! •= !						······································	
ARC SECONDS	2,00		<b>.</b>	:									<u></u> .	
<b>E</b>	0, 00			DS NE	BASE _				-	#2	001 -	BEASLE	Y	
	-2.00	c.	) · 19	• #7 • •	ADD	ECC	i .			, , 				· · · · · · · · · · · · · · · · · · ·
! :	-4.00		i	 	<b>1</b>	!		#12 <b>-</b> !	MORGAN	<b>1</b>		· ·	· - •	
:	00		:			10 -		SW BA		-	· ·		•	,
; ; ;	'n	.00	: ( :	3.50	1			1.50 IN HOU		2.00		2.50		3.00

THE PARTY OF THE P

1

( )			4. 1	инатевни	DS DAT	A, RU	N - 2	LEG	GE IN THE ION #3 - SANDS NE BASE	1 4 ·	
o-8.00 -7.00 -6.00 -5.00 -4.00 -3.00 -2.00 -1.00 0.00		5	МООТН						N THE		•
T	#200	1 - BEAS	SLEY :	:			· •		SANDS	NE BA	SE
	1	·				• · • •					
0		© #7 - ADD ECC				•					
رنہ						<u>c</u>	<u>.</u>	HANGE IN THE ECTION  The same of the same			
		•	!	÷		•			•	1	:
• 1		<b>.</b>		· • •	ø	O	: 	i ".		<u>.</u>	! <del>!</del>
			• • •		: ;					<b>!</b>	
		· !			!	· · · · · · · · · · · · · · · · · · ·	<u> </u> 				
			:		o #	‡7 <b>–</b> A	DD EC	;¢ 			
• ]		; ; ; ;			(D						<u>.</u> .
•		•	ŗ				! !		:		
6.00	+				1	• • // •••	!	1	;	: :	
1	8.00 -5.00 -5.00 -3.00 -2.00 -1.00 0.4 00 -3.00 -2.00 -1.00 0.4 0.0 0.0		:	o	;#9 <b>–</b>	C-322					
• 1		, ,	<b>©</b>				!	:	: :		•
			:	-	1 = TD/	VIES.					:
3.00				U #1	IKI	14 DO	;	,	<u>:</u>		
0,	.00	0,5	0		!			.00	: 2	2.50	, 3
				; <b>T</b>	ME II Figur	N HÖÜ ce 5.7	RS	:	·! :		

					MHI	TESAN	DS DR	TA. BU	N - 5	LEG-	1			
}	. 00		:	· ·						,				
1	ເປັ		; :	: '3MOO : :	THED 1		- 50U				וחב		_	
	00.1			! !			<del>-</del>		an order cons	; • , • ,				ere disciplina
:	•		•		 	_		<i>-</i> -	a		- •	· · <del>-</del>	! !	
	0.00	g #20	: : Ol <b>-</b> F	BEASLE	Y							•-		
		D	: !		A COT D C				··· • •	#3 -	SAND	S NE E	ASE	
:	-1.00		r <sup>π 14</sup> ·     -	. מאת	ASTRO					; ;				*****
SECONDS				•			- ,,		e emm se					
	-2.00	·· -	, , ,	,   		·	: 	. o.	0				·	
ARC									<b>o</b> #5	- OTE	RO ECC	:   		<del></del>
	-3.00		: ·	· ·	! :			- e ganter						
	0		• .		,			•		; ·			<u>:</u>	
:	-1, 00			, , , , , , , , , , , , , , , , , , ,	1			· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,	; , , , , , , , , , , , , , , , , , , ,	• • • •	,		
. 1	00		;	'	***	, ,	<b>a</b> #'	) - C-	322 · . !		· }		:	: !
	-5.0	-	! #12 <b>-</b>	MORGA	מ אב						•			· <del></del> -
:	00		, ,		,	O		,	:		; ;		!	
		.00	0	.50	1	.00	1	.50	2	.00	2	.50	; ; 3	.00
! !	!			i   	· · · · · · · · · · · · · · · · · · ·		IME I Figur	i		· . <u>.</u>	! · · · · · · · · · · · · · · · · · · ·			: 
į	· 		! L	<u> </u>					(	! ! !			<u> </u>	

公。在进行的最大的情况是,只是是我的意思,这些一种的一种,但是我们的一种,他们就是一个人的,我们就是我们的人,我们也没有的人的人,也是我们的人,也会就是什么一种 "我们就是我们的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们就是这些一种,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是

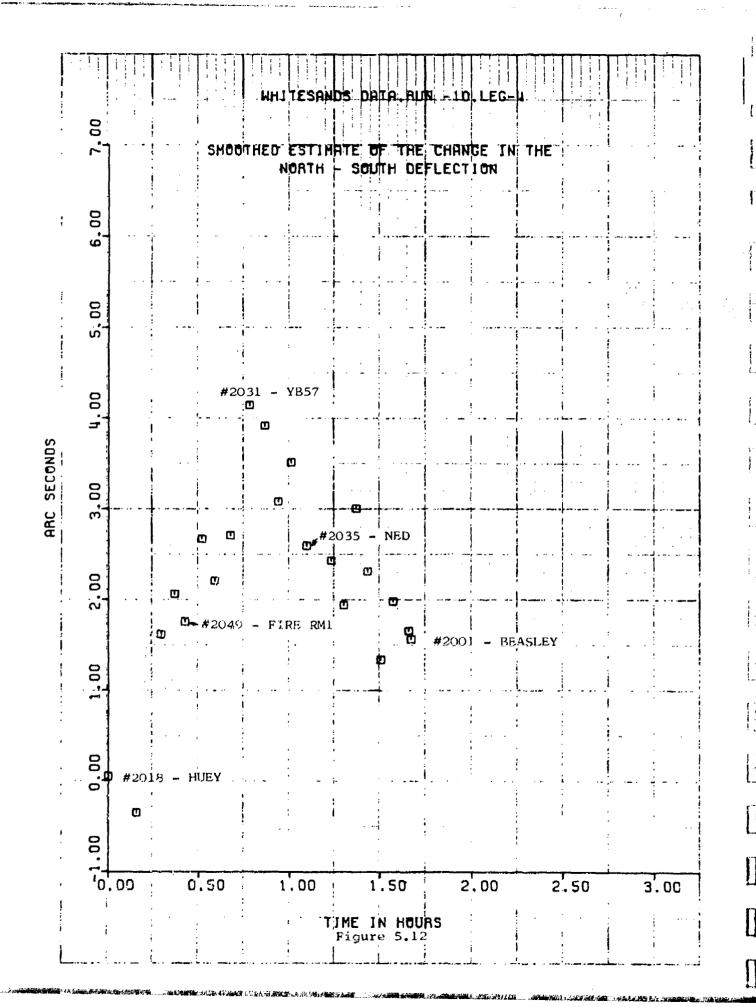
11.

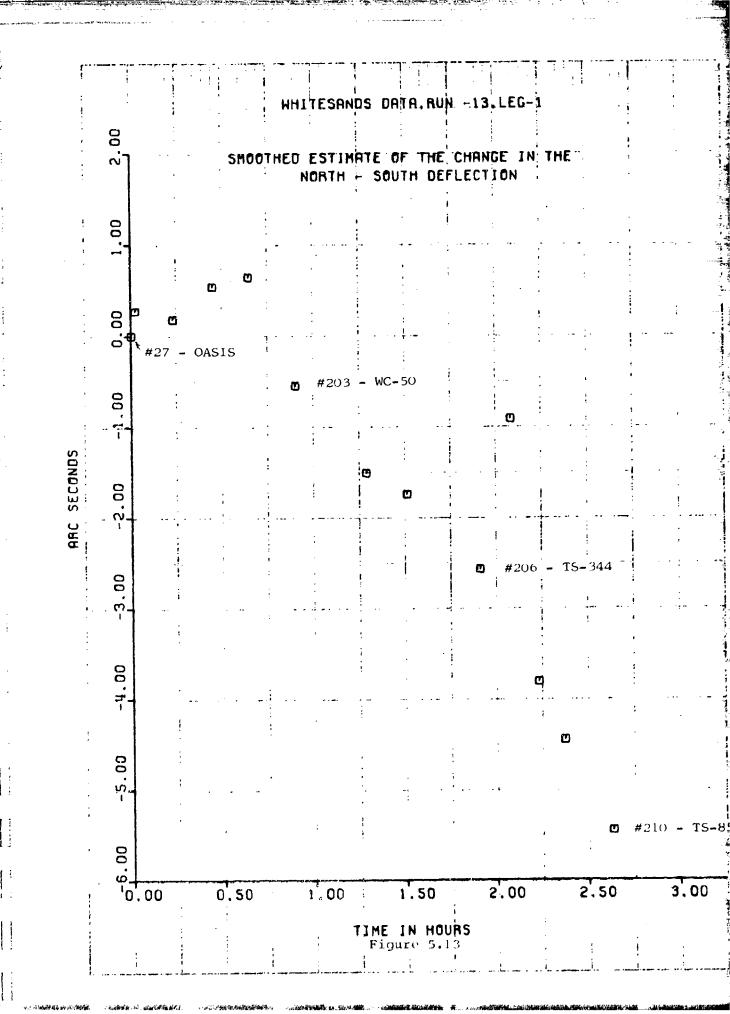
च्याः स्थ

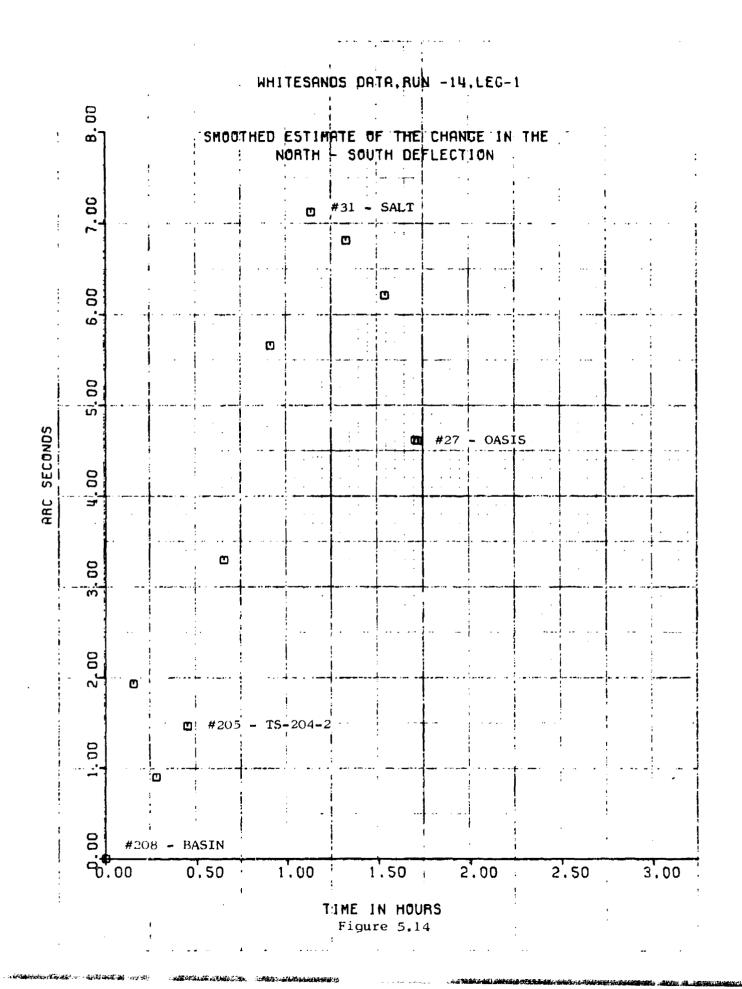
現代は ままない 最近のからい

				i MRI	TESAN	bs ba	TA, RU	N 2	LEG-				
	3,50		SMOC	THED	EST IM DRTH					THE	·	!	• • • • •
	3,00										· • • • •		
	2,50				#20	034 -							
33	2,00						#20 <b>ப</b>	004 -	X~335				
SECONDS	. 50	#202	1 - R-334 • CD		. o	!		<b>m</b> #2	2001 -	BEASL	EY		
ARC	<b></b>		<b>9 9</b>		:	Ø	<b>.</b>		<b></b> .		1 1 1 1 1 1		
	1,00	. <i>n</i>	o <sub>e</sub>	<b>9</b>	· · · · · · · · · · · · · · · · · · ·						<del> </del>		
	0,50			•	· · · · · · · · · · · · · · · · · · ·						; ;	: : ! :	-
•	0, 00	ם #20 פ	18 - HUEY -	; ; ;	:								(
	0.50		-			; 							!
; ; ,	'o' : :	.00	0.50	1	.00 T	1 IME I Figur	.50 N HOU e 5.9	1	.00	2	.50	3	.00

	. 1 :				WH I	TESAN	DS DA	TA, RU	N -10	LEG-	2		1 2 2 2	
•	6.00	•		SMOO		ESTIM ORTH	ATE O	F THE TH DE			: THE	i		
•	5.00					: · ·		; ;		! !	: : · · · · ·			
:	۵0 · ل	; ; 	٠	: : !		! 		· · ·	• • •	, ;		•	·	: • •
:	3,00					. eg #2	2021 -	K-334		[ :	•		<b>!</b> :	
ARC SECONDS	2,00	. ~.	<b>©</b>		#203	3 - YI	;		-			· · · · · · · · · · · · · · · · · ·		
A	1, 00	O	o •••**********************************	2006 -	V335					: : : : : : :				
		#2001 <b>©</b> ©	- BE	ASLEY	; ;	<u>.</u>			-		· · · · · · · · · · · · · · · · · · ·			} : :
į	-1.00			· · · · · · · · ·			: : :	<u>–</u>	· · · · · · · · · · · · · · · · · · ·					· ·
:	5.00					,		1 #20.	18 <b>-</b> F :	· ·UEY	, , , , , , , , , , , , , , , , , , ,			
	0	.00	0	50	1	.00	1 ME I Figur	.50 N HOU		.00	2	.50	3	.00







:	· · · · · · · · · · · · · · · · · · ·		1 : 1		WHI	TESAN	DS DA	TA, RU	N -16	LEG-			·	
:	7, 00		: 	SMOO				F THE			THE		· . ·	
	6,00				: •			· 			· ·			
! :	5,00			<b>(1)</b>	#27	- OAS	is	:	<b>-</b> .	: <b>.</b> -	· · ·	:	:	:
	00 <b>.</b> n					9 ! (0 ) -			<u> </u>		· · · · · · · · · · · · · · · · · · ·			
C SECONDS	3, 00										· ·	· · · · · · · · · · · · · · · · · · ·		
ARC	2,00	-					#30 -	G-48						
· •	00.						. O	#31 <b>-</b>	SALT		·			
÷	0,00	1 #22 <b>L</b>	2 – JA	СK			, , , , , , , , , , , , , , , , , , , ,							
	1.00												:	;
	<b>'</b> 0.	.00	0	.50	1	. 00 . т т !	r	.50 N HOU		.00	2	.50	. 3	.00

では、100mmので

					WHI	TESAN	DS DA	TA,RU	N -15	LEG-	2			. 1 . 1
•	3,50			SMOT		ESTIM DRTH		F THE		ION GE IN	THE			; ; ;
	3,00			_							i : '. , .	· 	· · · ;	.:
:	2, 50						- · <u>-</u>	-		; ; ;	: 	•		
	2, 00				; ;									<u>-</u> .
ARC SECONDS	1,50	,	·	;		• • • • •			-					,
<b>c</b> :	1,00					(1) #	29 - 1	VALLEY	ASTR	O † - · ·				-
	0,50			<b>!</b>							: ! ! !			
	0, 00			· : :		: 					,		i i	
:	.50	1	: - SAL:		:	·	i ! !			<b>d</b> #2	: 7 <b>–</b> OA		•	
	o	.00	0	.20	0	.40	i	.60 N HOU e 5.10		. 80	. 1	.00	1	.20

				WHI	rESAN	DS DA	TA,RU	N -16	LEG-	3			
•	0.00		SMOO	: , THED <b>(</b>	INT TE	ATE O	· :	CHAN	IGE IN				
	-0.20	,	,				*			t ·			
	0,40	: : #27 - Of	ASIS			,	· •·	; !	<u>:</u>			, ,	
S	-0.60	:	: :	: : 	- :	· · ·	· · ·		: '	i ·	- - - !	,         	: :
ARC SECONDS	-0.80			: !				· (		: 1 1 1			- ·
	-1.00					<u>-</u> .	: : : : :		:	· · · · · · · · · · · · · · · · · · ·			
;	-1.20			, ,				! !	<b>©</b> #	22	JACK		- ···
:	-1.40	:		ם	#26 -	- MONU	JMENT 	•	<b>0</b> 7			;	
	0-1.60		m 0.20	:	.40		0.60		0.80		1.00		20
	0.0				,	IME I	N HŌU re 5.1	i Rs	. 60	: :			.20

.

.

.

	10.00			SMOO	THED I	ESTIMENST		F THE	CHAN		THE			
	5,00	· :	·			· · · · · ·			, , , , ,			• •		
:	0,00	<b>8</b> ) #1	- - TUL	AROSA	S.B.			 						
	-5.00												-	
CSECONDS	-10.00	-	0		3 - RI	IODES	-		-					
ARC	-15.00				Φ.	 -								
:	-20.00							•						
1	-25.00		·					<b>1</b> #6	- WC-5	O ECC		#		NFORD
;	30.00	. 00				•			Q-48			G G		-
!	<b>'</b> 0	.00	-	.50	1	. 00 T	IME I	.50 N HOU re 6.	RS	.00	2	,50	3	.00

一年 日本語の語の音を表するとのできる。

	6				IHW	TESAN	DS_DA	TB.RU	N - 4	LEG-		
!	4p.00			SMOO		ESTIM EAST	ATE OI - WES	F THE	CHAN LECT I		THE	`
٠.	35.00	-			•			:  -  -  -				 
:	30.00								· · · · · ·			
	25.00		; •	<b></b>		. · · · · · · · · · · · · · · · · · · ·			:		1 - TULAROS	A S.B.
ARC SECONDS	20.00					· · · · · · · · · · · · · · · · · · ·		0	- #2 -	OASI	S	
Œ	15.00						Ö					
 	10.00		!	: :	;	. <b>0</b>	#5 <b>-</b>	SALT				
;	00	_		;	, O	. :					·	
	30 5.	#9	O HANF	ng #7	' 4F	953					:	; ;
	<b>.</b>	.00	0	.50	1	.00 T		.50 N HOU		.00	2.50	3.00

Same a

J. 1. 5

Selection of the select

				WH.	ITESAN	þs da	TA, RU	N - 6	LEG-				
	3,00		SI	MOOTHED		ATE O	• • • • •	CHAN LECTI		THE	•	•	
	2,00	ť		·		· · . · . · . · . · . · . · . · .	· -	•		· · · · · · · · · · · · · · · · · · ·	· •	i	
: - <b>i</b>	1,00				. <del></del>					<b>1</b> •	!	-	:
- 3	00.00	<b>6</b> 0 1 #1	- WC-50		· · · · · · · · · · · · · · · · · · ·	!	: !		;	]	· . •		
SECONDS			<u> </u>		<u>.</u>	#8 <b>-</b>	SEEHO	 RN					
APC	5.00		; ; <b>(</b> 0		;	0			*		•		
; ;	00.6		<b>(1)</b>	GUN			  -     #10	- NIC	CK 2			• • • • • • • • • • • • • • • • • • •	
:	00. 4-		; ( <b>10</b>	0				! ! !@ #1	5 - C	!  ONN			; i
	-8.00		·		_	!		:		:	<del></del>		:
: : : :	'0	.00	1.0	0	2.00 T	IME I Figur	.00 N 1:00 re 6.4		.00	· • • • • • • • • • • • • • • • • • • •	5.00	6.	.00

HEIDER AND SAFETANIAN AT SAFETA

ſ					7 [ ; ]									
i				-	MHI	TESA	O ZON	ATA.RU	N - 1	LEG-	1			
!		#3 -	SANDS			•			[ ] ]	:	•	i		
	- <del>1</del>	:	5	OOMS				OF THE ST DEF			THE			•
,	-2.00			••				-			•		: •	·
i	-4.00	:			<i>.</i>	: :	: : : : : :		1 1 1 1 1 1	· :			•	
	-6.00		<b>.</b>	#7 ·	<b>–</b> ADD	ECC			· · · · · · · · · · · · · · · · · · ·	:	! ! !	! :	:	
ARC SECONDS	-8.00	:		(D)						#20 ! !	001 -	BEASLI	₹ { 	
σ. ;	-10.00		· · !		 	10 -	SANDS	SW BAS	516 1	-		: : !		; : {
	-12.00	; ; ;			o	! ·	:				1	··· • ·		
,	-14.00							<u>.</u>	:	:			:	
	5-16.00		······			7		#12 - 1				<del></del>		
	'0',0	) U	0.5	<b>)</b>	1	 	•	1.50 IN HOL	i	2.00	; i 	2.50	. 3	.00

-

And the same of th

1

					- MHI	TESAN	ps DA	IA,KU	<b>L</b> - 2	LEG-				
:	10.00	-		SMOO		ESTIM ERST	ATE O	F THE	CHAN LECTI	ON GE IN	, THE		; !	
	8,00				! ;			· · · · · · · · · · · · · · · · · · ·	L	1	- 5 <u>-</u>			, <b>,</b>
[	6,00			•	· · · · · ·	!		; ;	<b>(1)</b>	#3 - 5	ANDS	NE BAS	SE.	! :
	4,00					· · · · · · · · · · · · · · · · · · ·		מ		·	· · · · · · · · · · · · · · · · · · ·	!		:
SECONDS	2, 00	- <b>-</b>				·	C		-			, , , , , , , , , , , , , , , , , , ,		
ARC	200 3	<b>)</b> #200		EASLEY	! ! !		<b>e</b> 0	#7 - /	ADD E	CC				
:	-2.00 0;	7 7200		i ·	;	co.	#9 -	C-322		1 1	: !			
		-	·		· · · · · · · · · · · · · · · · · · ·	D	<b>!</b>	r	,	:	!	}	i	
:	-u.00			<b>!o</b>	· !	:	} 		. <u>.</u>				<b>!</b>	
•	-6.00	. 00	0	.50	<del>}</del>	MORO		.50		.00	·	50	2	00
; ; ;		. 00				.00 T	IME I Figu				:	.50		.00

politica de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition del

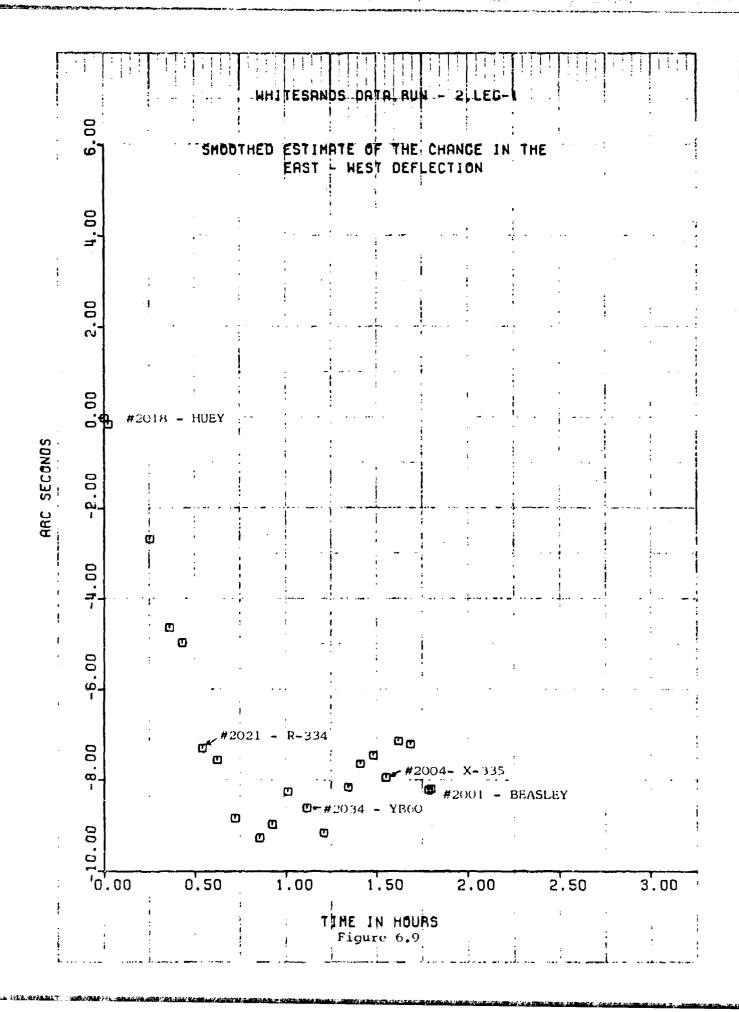
المساء المساء المتعدد

	00		: : :		_ WH I	TESAN	DS DA	TA.BU	N - S	LEG-	1			
•	12.0	:	· · · · · · · · · · · · · · · · · · ·	SHOO			ATE O - WES			IGE IN	: THE	i	· : :	· •
	10.00	:					· · · · · · · · · · · · · · · · · · ·		· · ·	•	; ;		: -	•
. :	8,00							:	1	· · · · · · · · · · · · · · · · · · ·	; ; ; ; ;	· ·		1
	6,00		•			#5 <b>-</b>	OTERO	ECC	<u>a</u>	#3	SAND	S NE I	BASE	:
ARC SECONDS	ս, օօ					! !								
Œ	2,00		; ;			; ;				† † 1		<u> </u> 		- !
,	0,00	<b>o</b> 9 #200:	1 <b>–</b> BI	EASLEY		<del>(D</del>		9 C-	322	· -		:	· • • • · ·	
:	-2.00	1		<b>(5</b>	,						•	•		
:	. 00			m ASTI		#12 ~	MORGA ! :	N			•			;
:	₹4	.00	0.	50	1	.00	. 1	.50	: 2	່. ບບ	. 5	.50	, 3	.00
1	j		:			7	IME II Figur	N HOU e 6.8	RS					

1

زا

The state of the s

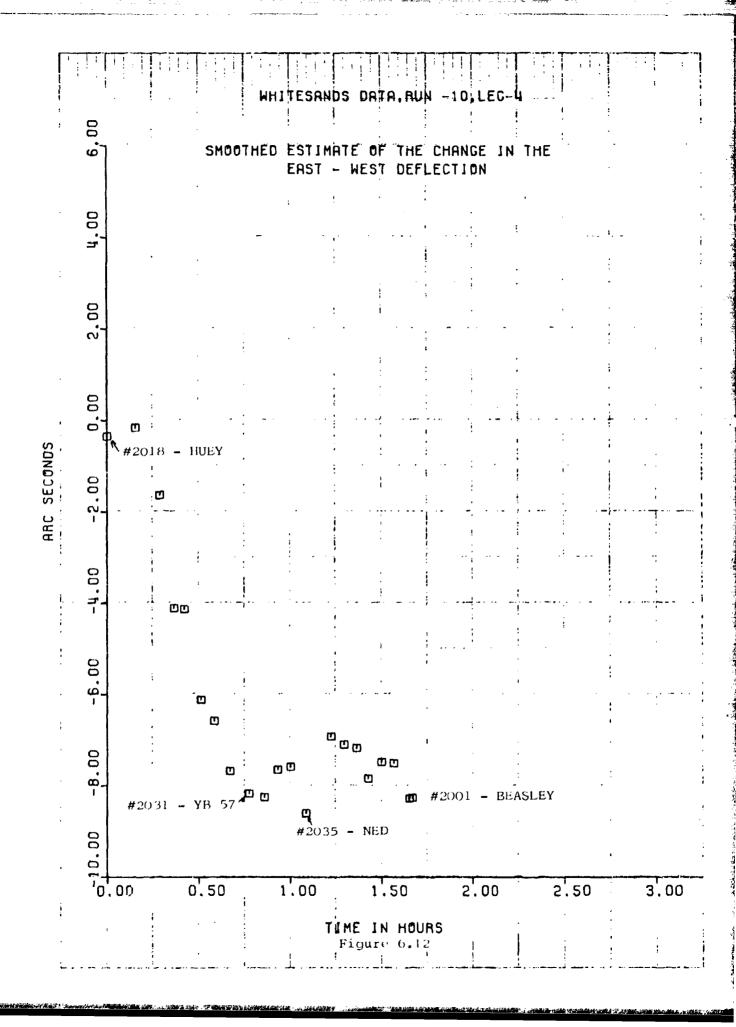


				шит	TESON	ne ne	ITA.BU	N _ G	150	2			, .
. 00				; ; ; ;(1) 1	; ; ; ; ;	n.	ii ii . EU	рь <del></del>	#;• <b></b> 		• • • • • •	i ;	! !
12			SMOO				F THE			THE		•	i
00	· :	:		! :		· .		:	: •	• • • · · · · · · · · · · · · · · · · ·	:	· •	
10	:	: · ·					<u></u> 1	: :				· -	
0	:	: :	:	•	:		: : :	i ! :	:	:	:	:	
8,00		-		• • • • • • • • • • • • • • • • • • •				· · ·	! ! — —		: • ·	· · · · ·	:
		<b>.</b>		<u> </u>		: : : : :		!		•	•	:	, ;
6,00			• •••	: !	•	:	.; . <b>o</b> #2	! 1 2018 <b>-</b>	HUEY	· · ·	<u> </u>		·
					; ;	; •	1	: 				<u> </u>	: : !
π, 00			:	<u> </u> 		ļ		<u> </u>	<u> </u>		: ; ;		<u>-</u>
-					i		<b>9</b>				<b>!</b>		:
00		-	!			·			!				
. 2	0				f	; <u>(D)</u>	!	0		: 2005 <b>-</b>	: .	5, 60	
00	ש			;	#202		1 2 2 4	i i	. #	; ; ;			<b>'</b> _
#200	₹ .	e BEASLE		ם,	<b>d</b> o		<del>-</del> 334	: ·		- L-31	34 <b>O</b>	#2001	- B
.00	,			. 00		! !		!	;	. O	u		
-5		-		-		 	. <u>.</u>	! !	- · · p		ָ ט		
00				: -	:	:		•	:	:	:	:	
•	.00	C	50	1	.00	. 1	.50		2.00	2	50	3	.00
; ; !				!	· · · · · · · · · · · · · · · · · · ·	IME I	<b>IN HOU</b> re 6.1	RS	! :		. , , ,		
					! . <del>.</del>	Figu	10.1		!			<u> </u>	· :

P. STATE A

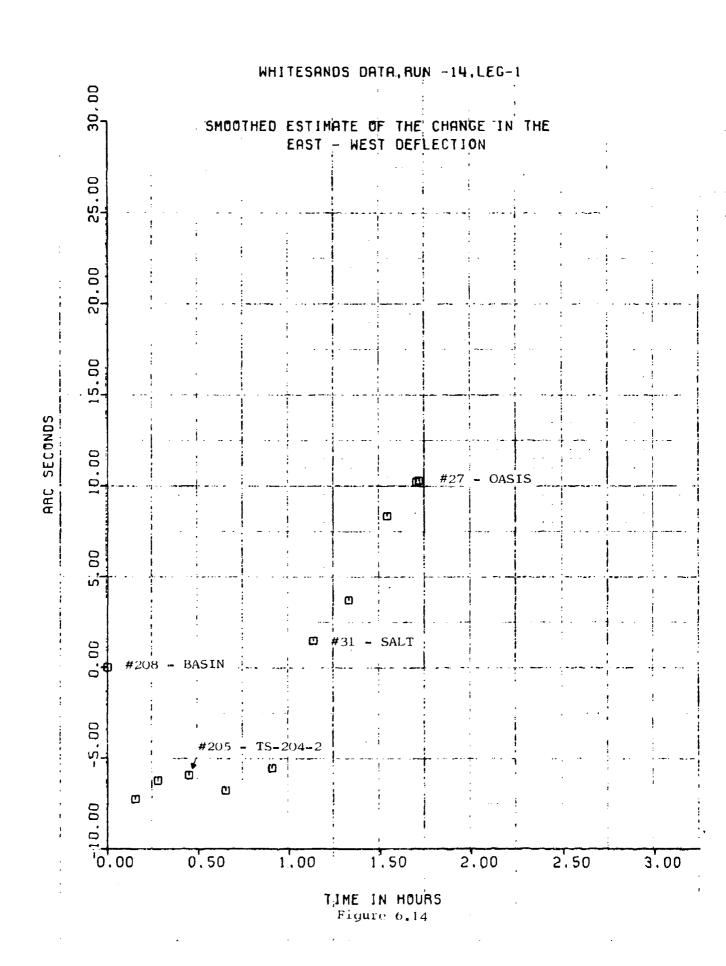
					_HHI	TESAN	D5DA	TA.RU	¥ _= 10	LEG-	2		-	
	14.00	· .	•	SMOO	THED	EST IM EAST	ATE J - Wes	F THE	CHAN .ECT.I	GE IN	THE	•	i :	•
	12.00				· ·		<b>-</b>	ing	· · · · · · · · · · · · · · · · · · ·		:			
	10.00		· !		: 	· ·								
; i : :	8,00					:	æ	#20	! 18 <b>-</b> 1	IUE <b>Y</b>	•			
CSECONDS	6,00	<u>.</u> .	: : : :				<b>C</b>			:		:		: :
PAC	4, 00	-				; o				: : :				:
:	2,00 t				•	<b>© m</b> #2 3 <b>–</b> YE	! :	K-33	; 4 •	:	; ; ; ;			
:	0.00	8 8			<b>O</b> <sub>O</sub>			· · · · ·	; ; ;		· · · · · · · · · · · · · · · · · · ·			
	2.00	#20		BEASLE	Y ' '	:	i		<b>.</b>		:			
	΄0	.00		50.50	1	7	IME I	.50 N HOU ire 6.	RS	.00	· ·	50		. 00

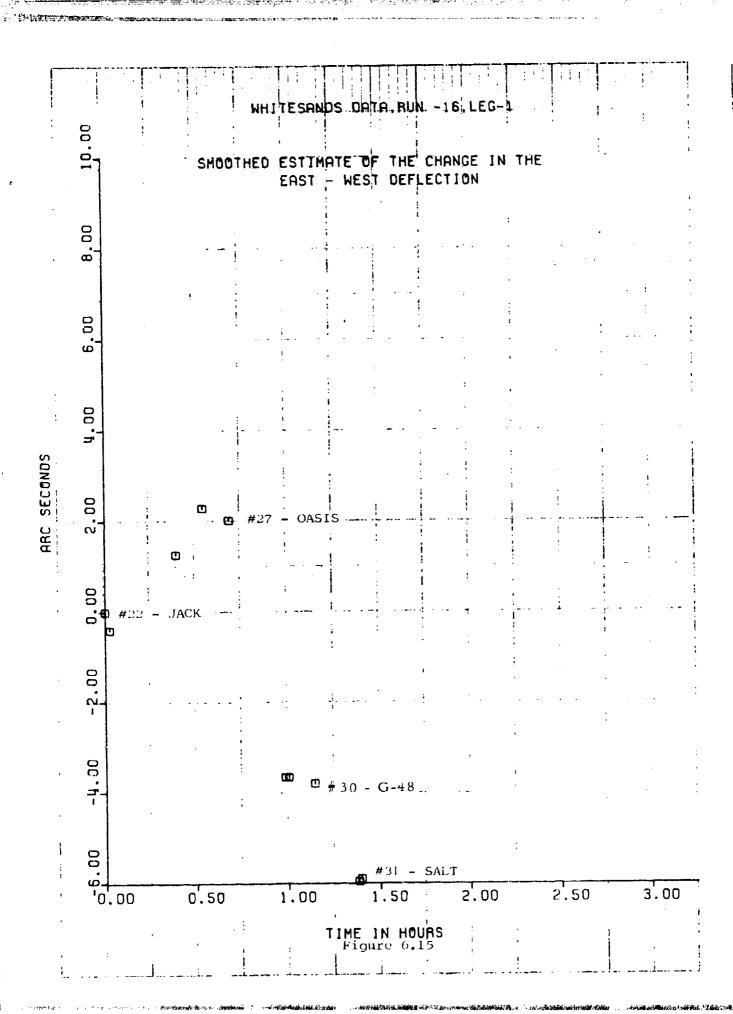
IJ.



00	:		WH1	TESAN	ps DA	TA.BU	N -13;LE	G-1	; ; ;		:
ė Į		SMO	OTHED	EST IM	1		CHANGE ECTION	IN T	HE		
15.00	; ;		· .		: : :			. •			
10.00	,		:		:	; 1			·		
5.00	† † †				· )		: .		· .	! !	
0.00	27 <b>-</b> 0	DASIS 									
-5.00			: :			•					
-10.00		O	. :		: :			•		#210 - TS-8	; ; ; ;
-15.00	:			, , , , , , , , , , , , , , , , , , ,	!		-	<b>(1)</b>	<b>m</b>		:
20.00		<del></del>	;	#203	; (1)	Ø			TS-344	:	
יס. ס	O	0.50	1	ι'. 00 Τ		.50 N HOU re 6.1:	2.00 as	0 .	2.50	3.00	:

である。 「日本のでは、日本のでは





				WH.	TESAN	DS DA	TA, RU	1 -16	, LEG-	2			
	7.00		SMOO			ATE O	F THE T DEFL		GE IN DN	THE			
	6,00			:	• ••	}		<u>.</u>				! } :	
	5.00		***	•	· · · · · · · · · · · · · · · · · · ·			<b>.</b>		7 <b>~</b> OA	ASIS		
32	h .00				,  !	*				· ·			
ARC SECONDS	3,00				e 1 2 2 1								
	2,00	a a company							-				
; ;	1.00	; ;	ην ····		(C)	#29 -	VALLEY	ASTR	0				
	0.00	#31 <b>-</b>	SALT	:			; ;		. • • •	•			
:	0.0-1.00		0.20	0	.40	. 0	.60	0	.80	:	.00	. 1	.20
;				; ; 		IME I	N HOUF	RS.					

A 0.405.3

F-100 C-1

A CONTRACT ACCRETATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T

Carre é

And Anderson Company of the Company

				IHM	TESAN	DS DAT	A.RUN	-16	LEG-	3			
,	1.60	· ·	SHOO	THED (	EST IM ERST	RTE OF	THE DEFL	CHAN ECT I	E IN ON	· I' THE !			•
	1,40	:	:		# 26 -	MONU	MENT	14		• .			;
	1.20			•		:		#		:	,		•
•	00.			•			!				· · · · ·		
3E C UNU3	80	:	:	i .					<b>o</b> n.	: • •		· · · · · · · · · · · · · · · · · · ·	:
704	0, 60								· · · · · · · · · · · · · · · · · · ·	1 22 -	JACK		
	0,40	:		•		!	:	,				; ;	
	0.20			; 	· · ·		····.						
•	00.00		- OASIS		. 40	· · · · · · · · · · · · · · · · · · ·	.60	ſ	).80		1.00		1.20
	<b>U.</b>					, UME II		35		:		, 	

;				WH	II TESAN	OS DA	TA. RU	N - 3	LEG-			-
1,00		•	SMO	: OTHEC	THE E ESTIM NORTH	ATE O	IN THE THE TH DE	CHAN	GE IN ION	THE		
00.00	<b>e</b> p #1	<b>-</b> TU	LAROSA	, . S.B.	,				:	:	#9 <b>-</b>	HANFORD
-1.00	Ð		·			· · · · · · · · · · · · · · · · · · ·			·	*	· <b>©</b> ·	<u>.</u>
00		·		:				· · · · · · · · · · · · · · · · · · ·		• • •	· ·, · ····	, <b>,</b> , , , , , , ,
-3.00			· ·		· · · · · · · ·					;		i 
00. h-		: .	<b>.</b>	#3 -	RHODES			; ;	, <b>o</b>	#8 -	: Q-48	
-5.00				! · ©	<u>n</u>	<b>i</b>				:	-	·
-6.00		; ;		:				<b>©</b>	:			
2.00						<b>'</b> (	<b>"</b> #6	- WC-!	50 ECC			
, ,	0.00		0.50		1.00	•	.50	1	.00		2.50	3.00
	1	,	į	!	<b>1</b>	JME J Figu !	N HOU	K5 !	;		:	; ;

AND THE PARTY OF T

.

\*

A Company of the Comp

bert and a

Extra a Extra

Challe and

Section in the section of

•	!					1	WH.	ITE	SAN	Ds D	A	A, RU	N	- 4	LE!	G-1	1						
•	2.50		,	.1	SMO	o <sup>:</sup> OTH		٤s	TIM	RROR ATE - SO	OF	THE	C		GE .	IN 7	THE			:			
	2, 00												:	,		• •				•			1
:	1,50					•			-	:						:							
2	1,30								.•	: :	-					1 !		:	J	:			
COMPOSITION OF THE	05.0		:				-	,		<u> </u>	· · · · · · · · · · · · · · · · · · ·	. (	<u>.</u>	#2 -	. OA	S1S							
	0,00	ฏ }-#9	, , _ 1	IANF	ORD						. <del>.</del> .	<b>c</b> i	1			#1	_	TUL	.ARC	) SA	S.t		
:	-0.50		C			-	0		© ·	#5 -	- \$	SALT	į										
	00.1-				ല	* * #7		<b>41</b> 9	53	:													
•	0.1.50	. 00		0	.50			1.1	00	<del>- +</del>	1	. 50			2.00	 )	·	2.	SO		<del></del> ,	3.0	<u> </u>
:			:		! !	;		,	,	TJME Fig	1) ur	N HD	uks .2		,		- +						

				WHITESAN	OS DATA.RU	N - 5.LEG-	1 -	
	16.00		SM00	THED ESTIM	RROR IN TH ATE OF THE - SOUTH DE	CHANGE IN	THE	
	. 4. 14.00		· }					
•	12.00		· · · · · · · · · · · · · · · · · · ·	: :	•	4F953		
(N)	10.00		:	<b>©</b> : 	† † † † † † † † † † † † † † † † † † †		ALT	
ARC SECONDS	8.00			 		O	i	
:	ය. ල	; ;	<b>u</b>	#4 - VALLE	Y ACTPO		. co	
:	<u>, n</u>	-	œ	<b>.</b> .	· } -		<b>. © #</b> 2 =	OASIS
	2.00		<b>c</b> n			, 		:
	00. 10.00	#1	- TULAROSA	s. n.	1,50	#1 - 1ULA 2.00	ROGA 5.8.	9 3.00
				т	IME IN HOU Figure 7.3	RS		

,	0			MHT	TESAN	os dat	A. RUN	6	.LEG-	1		: •	: !
•	16.00	<u>;</u>	5M <b>0</b>	OTHED I	EST J M	RROR I	THE	CHRN		THE			
	14.90			; , , , , , , , , , , , , , , , , , , ,	, man	1	_	<b></b>		: 		;	1
	12.00		; ;	,	,						· ·		
ج : :	10.00					#8	SEEHOR	RN ·-					·
ARC SECONDS	8.00		0	0	· ·	0			-			.  -  -	
B	6.00	·	<b>e</b> #3 -	GUN			#10	- NIC	K 2	; ; ;			
÷	, 00 <b>,</b>		מל	;			!					<b>.</b> :	
:	2,00			· · ·			<b>.</b>			·		!	
	. 00	#1	: - WC50	·	•	· · · · · · · · · · · · · · · · · · ·		(D)	115 -		<del></del>	<del></del>	
	G.	.00	1.00	2	`.00   7	IME II	.00 N HOUI re 7,4		.00		5.00	· · · · · · · · · · · · · · · · · · ·	3.00

					ТНМ	TESAN	DS DA	ra, Ru	N7	.LEG-	1			
	14.00		· ·	SMOO	THEO	ESTIM	RROR ATE O	F THE	CHAN		THE			:
:	12.00	:		• •		:	· · ·		· · ·	; ; ;		;	· ;	
;	10.00	:		: 	: . ·						• • •			}
,	9,00	 -		#7	- D-3	<b>.</b>	<b>C</b>					· · · · · · · · · · · · · · · · · · ·	·	; ;
ARC SECONDS	6,00				<u> </u>				. , .			; 		
	00 . 1	-					_0	#3 -	GUN 			1		
; ;	2, 30		<u>ත</u>	<b>.</b>		·		<b>.</b> 0		; 	· :		• • • • • • • • • • • • • • • • • • •	; ;
#15	- con		<b>o</b> #1.	2 <b>- W</b> I	HITE	, <del>, ,</del>	;	c		- WC5	· ·		:	
	2.00	.00	· • • • • • • • • • • • • • • • • • • •	. 00	;	.00	3	.00		.00		.00	· 6	.00
					i i		IME I		i Rs	1		1	i : : : : : : : : : : : : : : : : : : :	1

					WHI	TESAN	DS DA	A, BU	1. ~. 3	LEG-			
	2,00			SMOO	THED	ESTIM	RRCR I	THE	CHAN		THE	:	
j	1,00			·	! :	•	· · · · · · · · · · · · · · · · · · ·					-	
	00.0	) #1. 9	- TUL	AROSA	S.B.				• • • • • • • • • • • • • • • • • • •			; #9 <b>-</b> } <b>O</b>	HANFORD
) !	-1.00							• ·	· · · · · · · · · · · · · · · · · · · ·	;	:		
ARC SECONDS	-2.00		<b>o</b> .		! 3 = RF		: : : : : : : : : : : : : : : : : : :	<del>.</del>					
	-3.00				<b>Q</b>			.•				: ! !	: : :
;	-4.00		: :		•	:			t 1 1	· <b>©</b>	#8 ~	Q-48	† 
	-5.00					<b>ወ</b>	: : :		t : : - WC-5	O ECC			
	<u>5</u> -6.00	.00		.50	,	.00	<del></del>	50	, <del> </del>	.00	1	.50	2 00
:				. ວັບ			ME II	.50 N HOU e 8.1		. 00	:		3.00

1000 mm

				WHITESAN	ips date	ı, RUN	- 4.LEG				
	1,00	· ,	SMOOT	THEO ESTIN	: ERROR JN 1976 OF - West	THE C	CHANGE II	N THE		•	•
	0.50	:				· · · · · · · · · · · · · · · · · · ·	; 1 -	· · · · · · · · · · · · · · · · · · ·			
	0.00	#9 -	- HANFORD	••			: <b>@</b>	#1 - 1	CULAROS,	A S.B.	
;	-0.50										•
C SECONDS	-1.00	; (	<b>.</b>				#2 - OAS	IS		· · · · · · · · · · · · · · · · · · ·	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
ARC	1.50	;		 :				*			- 1
!	-5.00 -	: :	<b>©</b> #7	- 4F953		:	; ;	:	;		: : :
	. 50	:		Œ	<b>. . . .</b>			•		* 100	1
÷	2- 00.			۵	#5 <b>–</b> SAI	LT					
•	0.0	00 :	0.50	1.00	1.5	50 ;	5,00	2	.50	3.0	0
; ; ;		· •	ر دند سامرید ب	T	IME IN Figure	HOURS	· • · • · · · · · · · · · · · · · · · ·	! !	·	: ! 	

The state of the s

K-AMPROVATE A

12 . .

A 100 mm pri

Company of Grandship

A CONTRACTOR OF THE PROPERTY O

					Іни	TESAN	os ba	IB.BU	N - 5	LEG-	1			
•	1,50			DSM00	THED !		ATE 0	IN THE T THE T DEF	CHAN		THE		-	:
:	1,00		  -  :				 Y AST		-		i 	·		:
	0,50	,			#4 =	VALLE	,1 A31							· · · · · · · · · · · · · · · · · · ·
	0, 00	ກ 3 #1 -	- TUL <i>i</i>	AROSA S	5.B. ~	· · · · · · ·			,	- · •-	. #		JAROSA D :	S.B.
ARC SECONDS	-0.50		-		<b>.</b>		O	#7 -	4F953			#2 -	OASIS	
<b>G</b> .	-1.00			, , ,	<u>-</u>						0		- ! : :	
1	-1.50				· · · · ·	, <u>.</u>					:	: .		. !
! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	-2.00					!	•				· · · · · · · · · · · · · · · · · · ·	<u> </u>	· · · -	
	2.50	.00						e	O	#5 <b>-</b>	SALT	<b>.</b>		
	<b>'</b> 0	.00		50	1	.00 Т	IME I	.50 N HOU re 8.3	RS	.00	2	.50	3	.00

ويسترف ويتوارز ويطهون ويستميلون والإنجادية الانتاج والاستراطية والإلاء والمترافع والمتراج والمتراجة والمتراجة

and the share of the same of t

					IHM	TESAN	DS DA	7A.BU	N 6	.LEG-	1			!!!
•	7,00			SMOO	THED	ESTIM	ATE O	IN THE F THE T DEFI	CHAN		THE	i		\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
:	6,00			· · · · · · · · · · · · · · · · · · ·		:	·			· • • • •	· -			
	5,00			. ,		. <b>u</b>	#8 -	SEEHOF	RN	<del>-</del>		, • · · ·		
	4, 00		· · · · · · · · · · · · · · · · · · ·		: : 	:		#10 -	NICK	: ; . 2			; ;	
ARC SECONDS	3,00			<b>9</b> 0	: : : : !		1							
	2.00	· ·			•			: : : : : : :		i ,		!	i	-
	1,00			-			: :				•			!
:	0,00	ם 1 #1	- WC-!	: 50	( : ·		: !		<b>&amp;</b> #1	5 <b>-</b> C0	: ONN			•
:	-1.00	.00	1	.00		.00	· ·	.00	11	.00	!	. 00	6	.00
	; ; !	. 00		. 00 ! !			IME I	N HOU re 8.4	RS					

**|**|

: <u>]]</u> - b THE PROPERTY OF THE PROPERTY O

					WHI	TESAN	DS DA	TR. RU	N 7	.LEG-	1			
	3,50	**		SMOO	THED	THE E ESTIM ERST	RROR HTE OF	THE	E CHAN LECTI		THE			
•	3,00			2 - W	HITE			· · · · · • •	) 	: : :				
•	2,50	·	: !					; 		· · · ·		· ;		
35	2,00	Ø			0	-	. o			: : : : : : : : : : : : : : : : : : :	• • •	· :		
C SECONDS	1,50	<b>.</b>				<b></b> #7	<b>.</b> - D-3	#3	GUN			 		
ARC	1, 00											! !	-	
	0,50		: -		: : :			<b>.</b>					• • •• •	
:	0,00	<b>9</b> 1 #15	; ; - CON	1N				Œ	;   #1	WC-50	· •	-	i :	·
:	05.0-0	.00	<u>:</u>	.00	2	.00	3	.00	· ·	.00	5	.00	. 6	.00
:			 	: 		Ţ	   ME     Figur	N HOU re 8,5	RS			[		:

-

## APPENDIX E

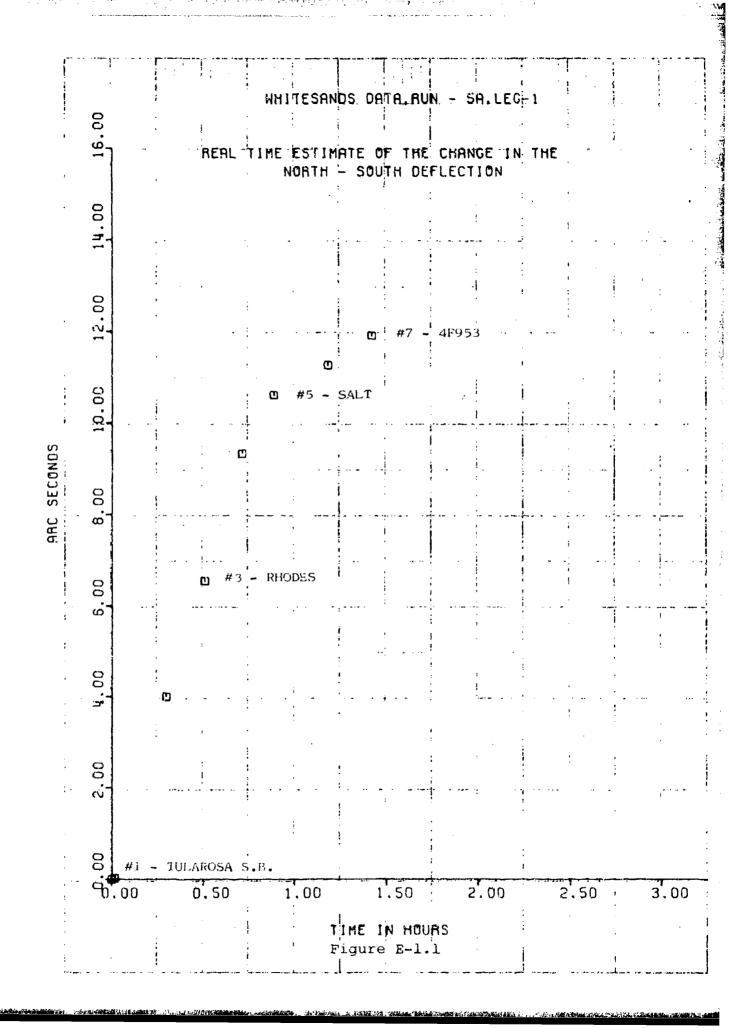
REAL TIME ESTIMATES, SMOOTHED ESTIMATE AND ERRORS IN THE ESTIMATES OF THE DEFLECTION OF THE VERTICAL CHANGE FOR THE RUNS WITH MAJOR HEADING CHANGES REMOVED

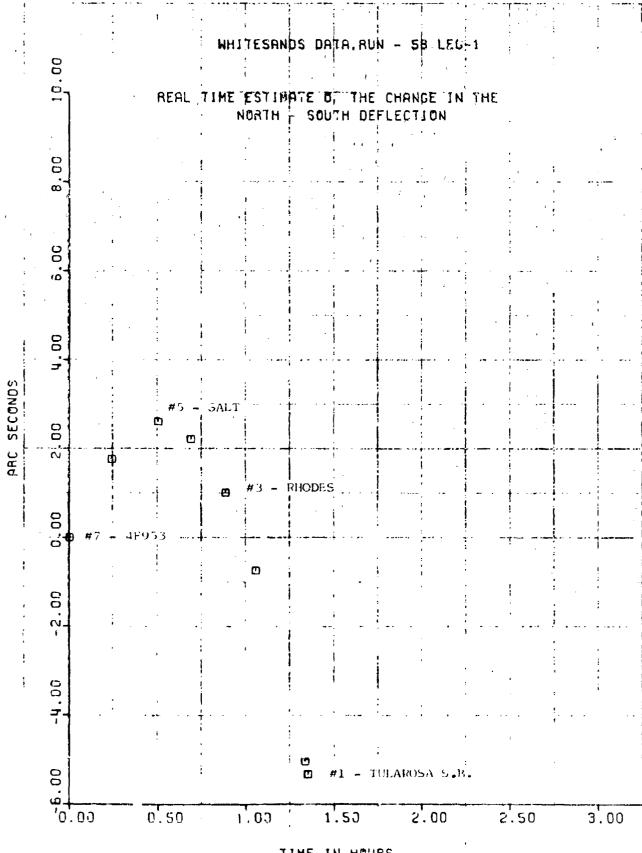
This appendix presents deflection of the vertical data associated with the three mission (Runs 5, 6, 7) where major heading changes were deleted. The data is divided into the same four groups as in Appendix D.

## LIST OF ILLUSTRATIONS FOR MISSIONS WITH MAJOR HEADING CHANGES DELETED

## I. Real Time Estimates of the Change in the Deflections

N-S (	<u>5)</u>	$E-W(\eta)$
Figur	Run Identification	Figure
E1.1	5 <b>A</b>	E2.1
E1.2	5B	E2.2
E1.3	6A	E2.3
E1.4	6B	E2.4
E1.5	7A	E2.5
E1.6	7B	E2.6
II. The Error in the Real Time Estimate of the Change in the Deflections		
E3.1	5 A	E4.1
E3.2	5B	E4.2
E3.3	6A	E4.3
E3.4	6B	E4.4
E3.5	7A	E4.5
E3.6	7B	E4.6
III.	Smoothed Estimate of the Change in the Deflections	
E5.1	5 A	E6.1
E5.2	5B	E6.2
E5.3	6A	E6.3
E5.4	6B	E6.4
E5.5	7A	E6.5
E5.6	7B	E6.6
IV. The Error in the Smoothed Estimate of the Change in the Deflections		
E7.1	5 A	E8.1
E7.2	5B	E8.2
E7.3	6A	E8.3
E7.4	6B	E.8.4
E7.5	7 A	E8.5
E7.6	7B	E8.6





TIME IN HOURS Figure E-1.2

;	60.0g	REF	<b>;</b>		S DATA.	:	; ;			; ;	
:	35.00		N	ORTH -	אסטדא נ	DEFLECT	100		-		,
:	30.00		; ; ;			-	;	<del>-</del>			·
	25.00				, 						
ARC SECONDS	20.00		· · · · · · · · · · · · · · · · · · ·					; ;			
i : : :	15.00	#5	- D-3.5	0	<b>u</b>	<b>(D</b> #7	- D-3	- +		-!	
	10.00	·		- GUN						: , : : :	•-
•	8.00	. <b>o</b>	-	:	-	·		· · ·			
	00.00	- WC-50 0.50	0 1	. 10	1.50	!	2.00	2.	50	3.	. 00
		· · · · · · · · · · · · · · · · · · ·			ME IN H			; ; ,	,		

l i

The state of the s

The second of th

0		1	I WHI	TESAN	D5 DA	TA, RU	N - 6	B,LEG	- 1			
ر. ال	:	REAL	TIME I			THE TH DE			THE			
2,00	; ; ;		; 			· · · · · · · · · · · · · · · · · · ·			·	í l		•
00.00	: : #9 <b>-</b> GE	;	; ;				. <u>.</u>	,	<b>- ~</b>	1	<u>.</u>	-
-2.00		3 .										
00.4-		•						· ·				
00.9		<b>c</b>	•					<u>.</u>		<u> </u>		
-8.00	•	1						·	,-		: :	
-10.00			· · · · · · · · · · · · · · · · · · ·							:	: !	
12.00			:	: #13	  - FRY	<b>(</b>	· · ·	<b>0</b>	#15 -	-CONN	•	
6.	00	0.20	0		<u> </u>	.60 N HGU	RS	80	. 1	.00	1	. 20

Į

220

The profession of the second

			!					TO 511		 		1	, mar	-
:	00,			;	וְנחא	FDHN	אח פח	TA, RU	N ~. /	H.LEG	<del>-</del> 1 .		<b>!</b>	
	5		REF	L TI				F THE			THE		•• •	;
	35.00	:		:	-	<i>.</i>				· •			•	
,	30.00	!	:	:		· · · · ·	! ! 		· · ·		· · · · · · · · · · · · · · · · · · ·			
	25.00	!	! 	•	:	•	,  !		•		!	12		
ARC SECONDS	20.00		, , , , , , , , , , , , , , , , , , ,	!		. <u>.</u>		. <b>©</b> #8	3 - SI	EHORN		:		
α	15.00			•		<b>.</b>		· · · · · · · · · · · · · · · · · · ·	-		4	, !	Total and the second se	
; ; ;	10.00	ŧ	11 - BKY	CE o	ŋ		:	:					1	:
!	5,00				:	•	: •			<u>.</u>		•	•	:
	8	~ CON	<b>ල</b> #13	- FRY			! :			<b></b>	!	<b>-</b>	<del></del>	
	9.	00	0.50	) (	1.	. 00 T	! #ME 1	.50 N HOU E E-1.	RS	. 00	!	.50	3	.00

ŝ

· ·

Marie Commence of September 19

	1	!	1	: 1 :	WH	ITESAN	ps of	ara, Ru	N - :	7B.LEG			
:	8.00			REAL		ESTIM NORTH					THE		:
	6.00					: · · · · ·	• • • •		-	· · ·		e E	i.
	ų, 00	!		•					: f :	: : : : : :	1	· · · · · · · · · · · · · · · · · · ·	, : 
:	2,00	:	ø		:				· · · · · · · · · · · · · · · · · · ·				
	0.00	#6	- NW-	30	O .	#4 - SI	HOT	:		: :		· · · · · · · · · · · · · · · · · · ·	
	-2.00	! :			-{					1	:	!	
	-4.00			:	• •			: . •	. 0	#2 ~	! ! LAURA	CENTE	; ?
•	-6.00		·	<i>-</i> .				· ·	:		! :	O	
	3.00				!		· · · · · · · · · · · · · · · · · · ·				1 :	D	#} = W(5
	φ.j.	00	(	.20	;	0.40 T	JME :	0.60 IN HOU	ıRS	0.80	1	.00	1.20

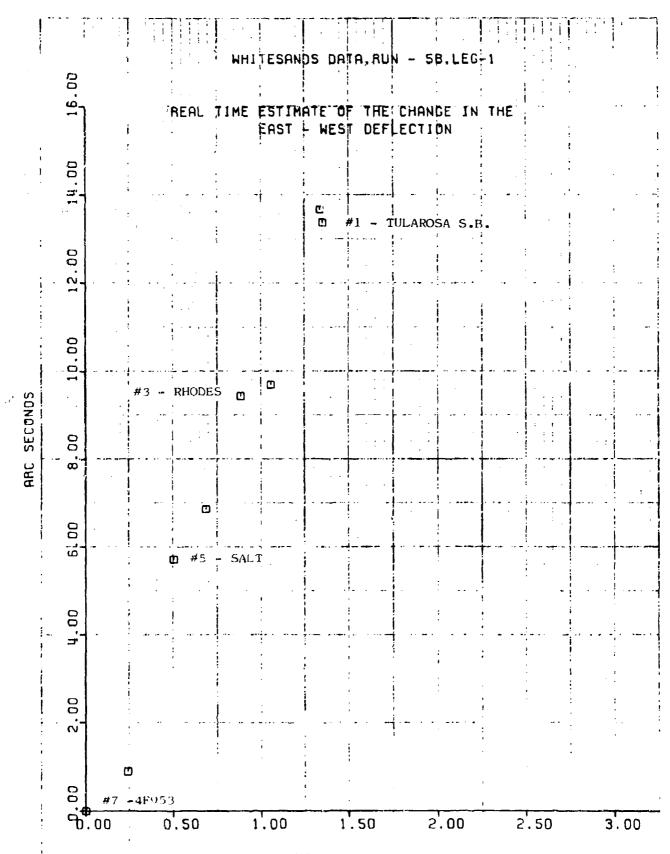
Parasabath property of the control o

to take a part

				инл	TESAN	DS DA	re, Ru	N - 5	n.LEG	- 1		1	1
į	10.00		REAL		ESTIM EAST					THE			;
÷	5,00			<del>.</del>									, , , , , , , , , , , , , , , , , , ,
:	0.00	<b>tı</b> #l	TULAROSA	S.B.	•					· ·			! : :
:	-5.00		ם בי	:					,			· · · · · · · · · · · · · · · · · · ·	
SECONDS	-10.00		<b>p</b> #3	: - RHO! ! :	DES				· :		· · · ·		5.72
ARC	15.00					-	·						
; ;	- 50.00			<b>(1)</b>	#5 =	SALT			· , ·•·				
•	-25.00				<b>e</b>		••	,	-	•			
-	o_30.00						,	4F953		! !	:		r
	0	. 00	0.50	; ;		IME I Figur		hs	.00		.50	3	.00

Ŀ

では、1917年の中では、1917年の191



TIME IN HOURS Figure E-2.2

ľ	٦	· <del></del> ;						
:	0	,		WHITESAN	ua. אדאם פסו	N - 6A, LEG	1	
	15.00		REAL	TIME ESTIM	MATE OF THE		THE	
•	10.00	, .		; ; ;				
. ; !	5,00					· · · · · · · · · · · · · · · · · · ·		
;	00	<b>s</b> g #1	, , , , , , , , ,			·		
SECONDS	5.00 0.							
ARC	10.00		C					
1	- 00	· . <u>-</u> -	#3 - GUN E	, ,		1		
;	-15.		:		#5 ~ D~3.5			
•	-20.00			·	. <b>D</b>		1	
	25.00			·		/ #7 - D-3	!	·
	ָם'	.00	0.50		1,50 TIME IN HOU Figure E-2		2.50	3.00

.

Propagation of

-

} ;

į			WHITESF	ANDS DE	IA, RU	N - 6	B, LEG	-1		••••••••••••••••••••••••••••••••••••••	
!	4.00	REAL	TIME ESTI EASI	MATE O		CHANC LECTI		THE		,	;
:	2,00	! 		• • • •						•	:
•	00.00	- GERI						  -  -  -			:
· · · ·	-2.00		· · · · · · · · · · · · · · · · · · ·	! !			· •• · ·				: !
ARC SECONDS	00.4	<b>(</b> 1)									
8	-6.03				<u> </u> 						
	9.00 - <b>8</b> .00		! ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		!		• • • • • •		i		
	-,10.83	·	! : . #1	- FRY	<b>.</b>				!		,
:	12.00					· ·	60		CONN		
	0.00	0.20	0.40	TIME I	).60 N HOU e E-2,	RS .	.80	1	.00	1 ! !	.20

というかいかいかい いっぱん はんしょう かんしょう かんしん かんかん かんしょう しゅうしゅう かんしん かんしゅう はんしゅう かんしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅうしゅう しゅうしゅうしゅう

And the second s

.

:

- ARTHORN AND COLORS OF THE

00.0	6.00	:		REAL	; TIME	: Estim	IDS DA	F THE	I : ∵CHAN		;		!
00.2 #15 - CONN  0 #13 - FRY  0 #13 - FRY  0 #1 - BYRCE  # #1 - BYRCE	۴.00				:	EAST	HES	ST DEF	LECTI	<b>Ö</b> N	;   .   .   .	: :	1
#15 - CONN  #13 - FRY  #11 - BYRCE  # #8 - SEEHORN	2,00				: :				i	:		:	: : :
00 00 00 00 00 00 00 00 00 00 00 00 00	0.0	<b>y</b> #15	co	! DNN	: :	: :						· ;	
0 #13 - FRY  0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 00	-			-								
00 00 00 00 00 00 00 00 00 00 00 00 00	.00		o #	13 - 1	FRY	i						-	
© #11 - BYRCE  © #8 - SEEHORN	-6.00 -			. 00		<b>.</b>				· · · · · · · · · · · · · · · · · · ·			
1 40 - SEEHONN			!	# 11	'n	•	:	;	1	:			
	10.00							© #	, .— SE . SE	EHORN	† !	. <b>.</b> .	

desired to the property of the state of the

1000

Section in the probability of the control of the co

application "Y

1

Fredenskippe by

1 . .

;				WHI	TESAN	DS DA	TA.RU	N - 7	B,LEG	- 1			:
	u. 00		REAL	: TIME		HTE O		CHAN	GE IN		•		
ē	3,50	1	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		- <b>-</b>					
	3,00		·	: : :		-	! !	- -		_		,	
	2.50			•	:		!				· • • • •		
	2, 00	:	· · · · · · · · · · · · · · · · · · ·	en #4	4 - SH	OT					; • <del>29</del>	#1 ~	WC-1
	1,50			<b>1</b>	-				· · ·				
	1,00	· :	· <del>-</del>	:• •	,	· · · · · · · · · · · · · · · · · · ·	1		1	· ·	· . · ·	:	
	0,50	:	: : :					. <u> </u>	·	:		:	
	00	#6 =	NW-30			<u>.</u> 6			#2 - 1	JAURA	CENTE	: }	
	90.0	0	0.20		).40 T	' IME I	N HOU E-2.	RS	. 80	1	.00	:	.20

SHEET STATE OF

		:		1	WHI	TESON	ps da	TA BU	N - 5	A LEG	<u> </u>	í	† † :	:
A Company of the Comp	16.00	: : :;	- -	REAL	}	THE E	RROR	IN TH F THE TH DE	E CHAN FLECT	1   	: ;			
	14.00	:	- <u>-</u>	•	:			#7 <b>-</b> ·	4F953 :			:		
	5.00	:				: : <b>0</b>			!	: · . · . · . ·		• • •		:
	90		-	!	1				, - · · · · · · · · · · · · · · · · · ·	:				. <del>- "</del>
Sans	Ü.		· ·			#5 <b>-</b>	SALT			· · · · · · · · · · · · · · · · · · ·	: : :		<u></u>	:
ARC SEC	8,00				<u>oʻ</u>	F				· 	: 	:	! 	: : :
	6, 00					:					! ! !		3	
	00			<b>o</b> #1	3 <b>– RH</b> 0	: DDES	i i					:		:
The second secon	η. Ο . Ι		<b>C</b>						· ·		1 "	!	:	••
The production of the control of the	2,00				:		: : : : · · · · · ·		· · · · · ·				: :	
	. 00	#1	- TUI	.AROSA	S.B.	,			:					
	9	.00		50	1	.00	1	.50	i 2	.00	. 2	.50	3	. 00

المريجية المها والتحيظ وبالمراج والمنافظ بمعاولاتهم فاستشاعها فالمتعافظ ومستماء فالمسامعين بالمستطفات سلم فالمعافظ ماستماعية بالعارفة

MARCHARD CONTROL OF THE STATE O

1		}	1	MH1	TESAN	DS DA	TA.RU	V - 5B,	LEG-1			
	6.00	:	REAL	3M1 T	ESTIM		THE	E CHRNGE FLECTIO		i ;		
:	ų, 00				:			_	†			
	2,00			:								
	0,00	p #7 -	- <b>4F</b> 953			i ! !	*			. <u>.</u> .	:	
ARC SECONDS	-2.00		; <b></b> 00 #5	; - SAL :	! T						· 	
1	-4.00	<b>,</b>	<b>.</b>		#3 ~	RHODES						
	-6.00				<b></b>		ŧ		:		i	:
:	-8.00			1 1	-	† 	1					:
	-10.00				1	00		TULAROS.		0.50		
;	0	.00	0.50	] ; ;	. 00 T	l IME I ligure	.50 N HOU E-3.	2. hs	!	2.50	3.0	U .

. . .

i ·

1								. '				1
00.9		i .	;		DS_DA RROR	HT NI	E	† !	! :			•
16	:	REAL			HTE O		CHAN FLECT		THE			, .
14.00	; - <del>;</del>					:	<u> </u>	; 	· · · •			
-	:	:		! !		!	•	I	• •	:	•	المحرات الم
12.00	; } ;								i		<b>.</b> 	
		1	•		•	i i	<b>b</b> #7	- D-3	3	•		i :
p. 00	:		; ; ;	· · · · · · · · · · · · · · · · · · ·	. 0			! :		i i	; ;	:
-	•		:	<b>©</b> #	5 <b>-</b> D-	-3.5	:	·	!			• .
0.0	:	! .		:		i	!	:		:		
ω'		· · · ·	i (0)			:	<u> </u>	· ·- ·	: ·- 	1		
00			#3"-	GUN		·						į
5.0	:		· ·· -	! *** · •				·	<del> </del>	·		
	:	ø	1		· · · · · · · · · · · · · · · · · · ·				:		•	
4.00				•	i		;			. • • • •		! : :
		. !		· •	i !		•		:			•
2, 00	;			• · · · · · · · · · · · · · · · · · · ·	: :	: <u>-</u> -	i	:	· ·	<b></b> ,		. <del>;</del>
	i		-	<u>.</u>	1		: 		:		:	
8	#1 n	- WC-50			:		:		1			
-D	.00	0.50	, 1	.00	1	.50		. 00	2	2.50	3	3.0
	! !		į		,   ME   I   Figur				;	i		

The state of the s

The state of

T-0.1

Particle of Confidence of

į !				инл	ESAN	วร อค	TA. RU		B.LEG	-1			
:	0, 00	#9 ·	- GERI REAL	TIME E	STIME	TE O	IN THE	CHAN		THE	· .	:	:
:	-0.50		: <del>-</del>			- ; ; ; ;	. ! ! ! !			• • •			. •
	-1.00		- :					****		:	: :		
35	-1.50		:	i 1 : : : : : : : : : : : : : : : : : : :							-		
ARC SECONDS	-2.00	· •-	<b>E</b>	-				•					
Œ	-2.50					; ;							
i	-3.00			! .			<b>c)</b> #	13 -	FRY			·	1 1 1
!	-3.50		· ·	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1	, <u>.</u> ,	-		. <b></b>			· · · · ·	
:	ų, oo			;	:	· Million of Sandaria		<u>d</u>	O		- CON	۷	
;	'o'	.00	0.20	0,	40 T	IME II	.60 N H <b>O</b> U E-3.	RS	.80		.00	1	.20

The Control of the Co

!					WHI!	TESAN	DS DA	TA.BU	N - 7	A,LEG	-1			
;	16.00		RE	AL Ţ	THE	ESTIM	; —		CHAN	GE IN ION	THE	•	•	-
!	14.00				· · · · · · · · · · · · · · · · · · ·			· · · · · ·		· · · · · · · · ·	·			•
	2.00				; ;			<b>o</b> #	8 - SE	EHORN	·			
	10.00	***		• • • • • • • • • • • • • • • • • • •	, ; ;	-		· ·		! !	·			
SECONDS	00					(0)		i						
ARC	.00				<b>(</b>		•							
	00 6.				Ø # 1	1 - BF	RYCE	· · · · · · · · · · · · · · · · · · ·			-			
; ; ;	т. Т	s		ָּרְיִי עַּרְּ		·						, •• · ·		
	2,00		<b>*************************************</b>	- FR	<sup>1</sup> P <b>Y</b>		; ; ; ;			, ,- ,		: I		:
	00	9. #15 .00	- CONN 0.5	0 .	1	. 00	1	.50	2	. 00	. 2	.50	3	.00
				:		T F	IME II igure	E-3.	RS 5	 			! !	· · · · · · · · · · · · · · · · · · ·

	2.50		REAL	TIME ESTI	ERROR	IN THE F THE	: CHANI	GE IN				
: :	2,00		•	<b>n</b> #4 <b>-</b> SI	HOT			•·· •·	<del></del>	:	r ·	
	1.50	:			† † †						,	· · · · · · · · · · · · · · · · · · ·
	1.00				;	 	·• ·· ·	· ·-			<i>n</i> s	
ARC SECONDS	0.50	1					•	#2 -	LAURA	CENTE		
	00 :00	#6	- NW-30 ·						-	· · · · · · · · · · · · · · · · · · ·		
	-0.50										•	
:	-1.00					. :				. <b>.</b>		
:	1.50				<b>!</b> :				!	<b>.</b>	#1 - W	  C~50  :
:	0.0	00	0.20	0.40	1	60		.80	1	.00	1.	20 ;
ļ.	! !			<u>.</u>	TIME I	N HOU! ⇒ E-3.	<b>15</b> 6	, •	: L	l <u>-</u>		; ;

Í			1 4		МНІ	TESAN	DS DA	TA, RU	N - 5	A,LEG	<b>⊢1</b>			
-	6.00			real :	TIME	ESTIM	RROR ATE TO WES	F THE	CHAN		THE		· · · · · · · · · · · · · · · · · · ·	-
; í	4.00	- -	· · · · · · · · · · · · · · · · · · · ·		· · · -	·		: - - - - -		i i i i		•		
	2.00				:		; · · · · · · · · · · · · · · · · · · ·	· · · · ·		· · · · · · · · · · · · · · · · · · ·		-	•	J
:	0, 00	#1 <b>b</b> · -		AROSA	S.B.	,	, , , , , , , , , , , , , , , , , , ,	: : :	· · · · · · · · · · · · · · · · · · ·	- ! 				
C SECONDS	-2.00			[ ] [ <b>[]</b> #3	- RHO	DES						,		
ARC	-ų.00	••			   			· · · · · · · · · · · · · · · · · · ·		! : :		1		
	-6.00			· !	. ō	: #5 - \$	ALT			· 			: : : ·	:  
:	-8.00				· ! .	·	:	<i>†</i>	; ; ;	:		1 1 1 1 1 1 1		
i : :	. 0. 00			·	:	. 0		#7 <b>~</b>	4F953	<b>3</b>		,	<b>i</b>	
	ָס'.	.00	0	.50	1	. 00	IME I Figur	.50 N HOU e E-4		.00	2	.50	3	.00

The section of the se

----

	1				WHI	TESAN	ps. pa	IA.RU	N5.	B.LEG	-1			
:	0,00	#7 ·	- 4F95	3 Real	TIME	THE E ESTIM ERST	ATE O		CHAN		THE			•
:	-1.00		;			! !								:
;	-2.00											· · · · · · · · · · · · · · · · · · ·	·	
8	-3.00	. Q			!					: :				
CSECONDS	-4.00					· · · · · · · · · · · · · · · · · · ·					~	! !		
ARC	-5.00		i Q	<b>j</b> #5 -	SALI	: :			-	-		! :		
	¥(°	<del></del>	•	Ø	0	#3 - I	RHODES		† · · · · · · · · · · · · · · · · · · ·	!			. — : !	· ····
	-6.00		, , , , , , , , , , , , , , , , , , ,	<u>.</u> .		<u> </u>			: 				•	1
! :	-7.00			<del>-</del>	-		; ( CO #	: : : :1 - T	ULAROS	SA S.B	•		1	
	9-8.00		:	- v <sup></sup>	· ;	<del> </del>	· · · · · · · · · · · · · · · · · · ·		:	<del></del>		<b>—</b> ———	•	;
;	'0'	.00	· o'	.50	1	. <b>0</b> 0	!	50		.00		<b>.</b> .so	. 3	'. oo ;
			!		, ; } <del>}</del>		ME 1			سعور را			-  - 	

The state of the s

:	•		•	WHI	TESAN	ps oa	TA.BU	N - E	A.LEG	-1	: •	! !	•
20.00	:		REAL	TIME	ESTIM	ATE 0	IN THE	CHAN	GE IN	! ₹THE	:	;	
15.00			;	:	•			, 	:		· ·		
10.00	•		i 	· · · ·	· · · · · · · · · · · · · · · · · · ·		; : 					:	
5.00			· · · · · · · · · · · · · · · · · · ·			;		* * * * * * * * * * * * * * * * * * *			1	; ; ;	
0.00	g #1	- WC-	-50										1
-5.00			<u>.</u>	#3	GUN								
-10.00			(	<b>9</b> """ (9		! : #5 <b>-</b> D	: -3.5	· · · · · · · · · · · · · · · · · · ·					
-15.00	!	· . •	· - <b>.</b>	· - ·		: <b>(</b> )		! ! <b>(</b> ) - #7	- D-3	:	· · · · · · · · · · · · · · · · · · ·		1
	.00	(	0.50	1	.00	1	.50		2.00	:	2,50	· ·	,
	<del>-</del>			:	, · 1	: JME I	N HOU	; RS			:		

Superfect of the second field with the second of the second

12 saugadent

And the second s

[

The state of the s

			-	, ;	шнт	TESON	ns ne	TO BU	N - 6	B.LEC	_ 1		TT 100 10000 TT 1001	
	2,00		1	REAL	: TIME	THE E	RROR	IN THE	E CHAN	GE IN				:
•	00.00	#9	- GER	I		·			 					!
: : : :	-2.00		ţ	. פ									···	
S	00·h-	:		····		: .= +			; ; ; <del>-</del>		·	: 	·	
ARC SECONDS	-6.00			· .										
1	-6.00	; - - ;	· ·		: •	•		- <b>.</b>	13 <b>-</b> F	RY				
:	-10.00			-	:		: : : :		CD.	; <u>-</u> ;	: : ! -			
	-12.00					•	-	- ;		0	#15	CONN		:
•	0-14.00	· ·					! ! :				πι )	-COMIN	1	!
	'o'.	00	0	.20		1		.60 N HOU E-4.	ns	.80	· }	. 00	1	.20

1

Jack Balle .

と、これには、日本ので

	1,00	<b>(</b> 2)	-	REAL	TIME	: THE E ESTIM	DS DA RROR RTE O	! IN TH FTHE	E CHAN	GE IN	[		-	
;	0.00	<b>.</b>	o #	13 <b>-</b> F	FRY		†	:	-	·	: !- :			
1 !	#15 -	CONN		<b>©</b>	:		The state of the s				-	•	-	
	-2.00		• • •	: :	<b>0</b> #1	1 - BF	YCE			1	; ; ; ; ;	· · · · · · · · · · · · · · · · · · ·	•	! ! 1
ARC SECONDS	-3.00		- -						_	; ;				
<b>1</b>	-4.00	. <del>-</del>	· · · · · · · · · · · · · · · · · · ·			· :		:	1 · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	***	1 1 1 1		
	-5.00					· · · · · · · · · · · · · · · · · · ·		! : :		·		· ·	• • • • • • • • • • • • • • • • • • •	
	-5.00		•	; ,		:   	· · · · · · · · · · · · · · · · · · ·		! ! !	1 + 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	•	i 	! :	:
! !	. 00	.00	1			!		<b>. (1)</b>	: 8 <b>-</b> Si	EEHORN	i   			
j	0	.00	: 0	.50	1	.00	i	.50	!	.00	2	.50	3	.00
	-	: 	! !	!		· 1	TME I	N HOU e E-4	<b>RS</b> • 5		: : : :	<u> </u>	; ; ;	

THE PERSON AND THE PE

a contract of the contract of

A manufacture of transformers (Annual Company) transformers (Annual Company)

					IHM	TESAN	DS DA	TA, RU	N 7	B, LEG	-1	; ; ;	-	
•	2.00			REAL	TIME"	THE E ESTIM EAST	ATE O	THE	CHAN		THE		,	:
	1.00	·	, .~ <b>.</b> .						•			·		-
•	00	:	ø	: :	i i		, <del>, ,</del> ,	–		· · · · · · · ·				
	0.	#6 -	- NW-	30	, O #2	1 – SHO	OT !	1				:	-	
35	-1.00	:	: :	. · · ·	] 			! ` `	1 1			·	· ·	
CSECONDS	-2-00	<u>.</u>					<u> </u>			! !		-		
ARC	.00				;	· ·	· -			· · · · ·				· <u>-</u>
	-13.		 I	:		!			0	#2 -	LAUR	A CENT	ER	
	-4.00			·			) 			· · · · · · · · · · · · · · · · · · ·	! 	· 	! !	
	-5.00			• • •	! ! !		i :	•			· · · · · · · · · · · · · · · · · · ·	, 	: 	1
i	00		· .		1				; ;	:	i	0 0	#1	WC-50
; ;	9.	00	. (	. 20	. 0	.40	0	.60	, 0	.80	1	.00	: 1	.20
	:		, , 	:			ME I Figur			· ·	1	!		

The second secon

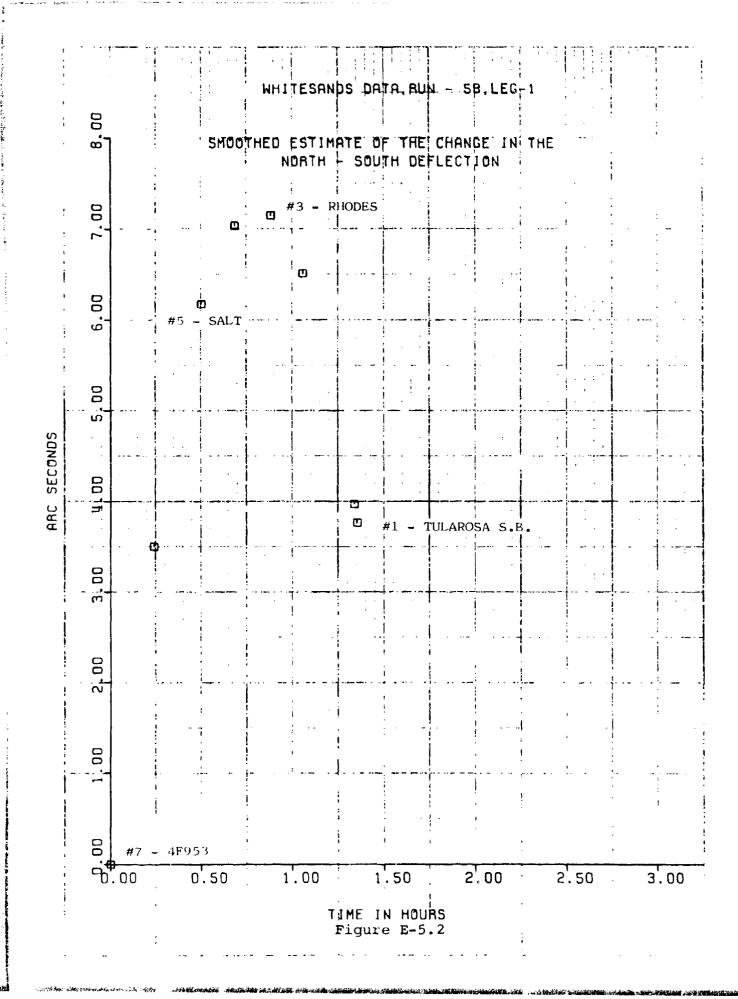
				THM	TESAN	DS DA	LA. RV	N 5	A.LEG	-1.			
4.00	; ; ;	page tas	SMOO	THED	: ESTIM	ATE O	FTHE	CHAN	GE IN	: !			
3.00		<u>.</u>	· · · · · · · · · · · · · · · · · · ·	i 	: <del>;</del>	: : : !			******	! 			•
2.00		. <b>.</b> .				f							
. 00	#3	- RHOI	DES O		#5 <b>–</b> S	! ! ! ! ALT -							
00.00	#1	<b>u</b> - TUL	AROSA										
1.00													
- 00	: •			) ;	, <b>o</b>		·			<b>!</b>			•
-3.00 -5						· · · · · · · · · · · · · · · · · · ·	,. :				<u>.</u>	1	
.00	,						#7 -	4F953					
0.0	00	0	.50	1	.00. T	1 IME I Figure	.50 N HOU	Rs	.00	2	.50	3	;

7

\*

7118

A Section 2



[	00.		WHITESAN	DS DATA.RU	N - 6A.LEC	-1	
	14.0	SMOO	THED ESTIM	HATE OF THE	CHANGE IN	THE	
	12.00					· · · · · · · · · · · · · · · · · · ·	
	10.00			1			
	8,00	: :	<b>c</b>	#5 - D-3.5			
SECONDS	00			0_			-
ARC	00				<b>D</b> #7 - D-3		
;	n 00	<u> </u>					
	∾ 1		'	A		<del>                                      </del>	· · · · · · · · · · · · · · · · · · ·
	£0.00 #1	! L-WC-50 · · ·	! 	<del>-</del> - · · · · · · · · · · · · · · · · · ·	; ; ;		· · · · · · · · · · · · · · · · · · ·
:	0.00	0.50	1.00	1.50	2.00	2.50	3.00
;			•	IME IN HOU Figure E-5	!	<u> </u>	; 

					!								
6.00			SMOO	THED	ESTIM	E ATE" O	FTHE		B.LEG GE IN ION				
ų, 00			:	•	·- • ·	; • • •				:  - 			
2.00	;						-			· · · · · · · · · · · · · · · · · · ·			
0.00	#9 ~	GERT			-	; }	: : : :	: 			· · · · · · · · · · · · · · · · · · ·		
-2.00	; - <del> </del>	!											
-4.00		o			· · · · · · · · · · · · · · · · · · ·		† · · · · · · · · · · · · · · · · · · ·	depended to company or the com-	1				-
-6.00					; }-		f : :		· · · · · · · · · · · · · · · · · · ·	· -			
-8.00	:				#13	- FRY	<b>o</b>	· · · · · · · · · · · · · · · · · · ·		: : : #15 -	- CONN		; ;
0-10.00	)C	0	.20	C	1.40		. 60	: : 0	.80	<u> </u>	. 00	1	.20
,	*		:	: !		IME I Figur		!	:	; (			-

EL L'ARRE

1		- <del></del> 1		<del></del>	<del></del>		;-·	<del></del> ;			,		r
			·		!								i
:		- - :	,		LWHI	TESAN	DS DA	ra.Ru	N 71	A.LEG	<u>-</u> 1	; !	
!	1.00	:		• [			: : : !				i ·	•	•
•	. =			ัรหอฮ			ATE OF				THE	• .	
		;	• :		. 14	·	. 200			1014			;
:	00	,	· :		:		· !		I	•		• :	
:	17					• •	! 	·	, <u>.</u>	: • • • • • • • • • • • • • • • • • • •	: : :	<b>-</b> .	· • • • • • • • • • • • • • • • • • • •
!		3		:	•	<del>.</del>			! !		:	i	i ·
•	00			ī		•				! :	-		; !
;	10.0	·		•					i ! !	i :		i	
	1		:		· ·		· ,	ı	<u>.</u> !		· !		! !
		!			·	t	!		; :		! •	<u> </u>	, : . :
!	00			l .		:			! !		!	•	! !
1	8				! !			• <b>£</b> 0-•#8	3 <b>–</b> SE :	EHORN	 i	: 	
NOS		!	!		1 1			 	: 			• •	
SECONDS	00		,	:	:	ø					•	, 1	
i	6.0			. <del></del>	ļ	: • · · · <del>- · ·</del>	<u> </u>				ļ	; 	<del> </del>
ABC	_			: !	!	:				i	1		
;		4	<b></b>	·		<del>-</del>		- <del></del> -		, <del> </del>	2	•	
į	. 00		#11	- BR	YCE D	!	1	! -	! !		}		; !
i	:_: <u>;</u> -		•		Ö		<u> </u>		i	i		• · · · · · · · · · · · · · · · · · · ·	, <del></del>
;					:	!			; ;	:			
	0.0			!	!		•		<b>:</b>		:		! ;
!. !	- S-	-		<del></del>			;·		: <del>.</del>	 !	•		jere je se L
:			: !	00		; i .		•	i	<b>:</b>	!		<b>i</b>
÷	0		•		:				: :			1	
	oi: 00	<b>b</b> #15	- coi	I NN	! 1				<u> </u>	·-	<u> </u>		
į			:		:	<u> </u>	:		i i	1		•	; ;
:	0	60	•		•		!	:	i 1		:		:
;	2.00		_ 	13 <b>-</b> F	RY		i .		į				:
	0,	.00	0	.50	; 1	.00	1	.50	2	. 00	. 2	.50	3.00
			_		!	· •	IME I			, , !		•	
;			1 1 1		1	; I	inc i	E-5.	,5				
L				!	1	<u> </u>	<u>.</u>	i —	: .\	, <del> </del>	!	1 .	<u> </u>

7年

The state of the s

	00.				WHI	TESAN	DS_DA	ra.Ru	N - 7	B, LEG	-1			:   :
!	0.7		=	SM00			ATE 0			: DE 11 N	THE			, 
	8,00			:	: • · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·	<b>-</b> -		į †	· · · · ·	· · · · · · · · · · · · · · · · · · ·	: :	· · · · · · · · · · · · · · · · · · ·
1	6.00	: :		,		,,				!	: - -	: : :		
	ų. 00		-	:		;					; ; ;	: : :		
ARC SECONDS	2.00			1 3	: :									
Ą	0, 00	3· #6	 - NW-	30	<b>©</b> #4	- SHO	OT -			1			1	
; ; ;	-2.00	:	·	:	! !			: ! :	: : : : : : : :					
!	-4.00			:						! #2 = 1	LAURA	(CENTE	R i	
:		.00		· ·		<del> </del>	!		:	· · · · · · · · · · · · · · · · · · ·		o o	····	WC-50
	'O'	.00	0	. 20		. 40 T	ME I	.60 N HOU ⇒ E-5	hs.	80	1 : <u>-</u>	.00	!	.20

the R. manufacture of the Control of

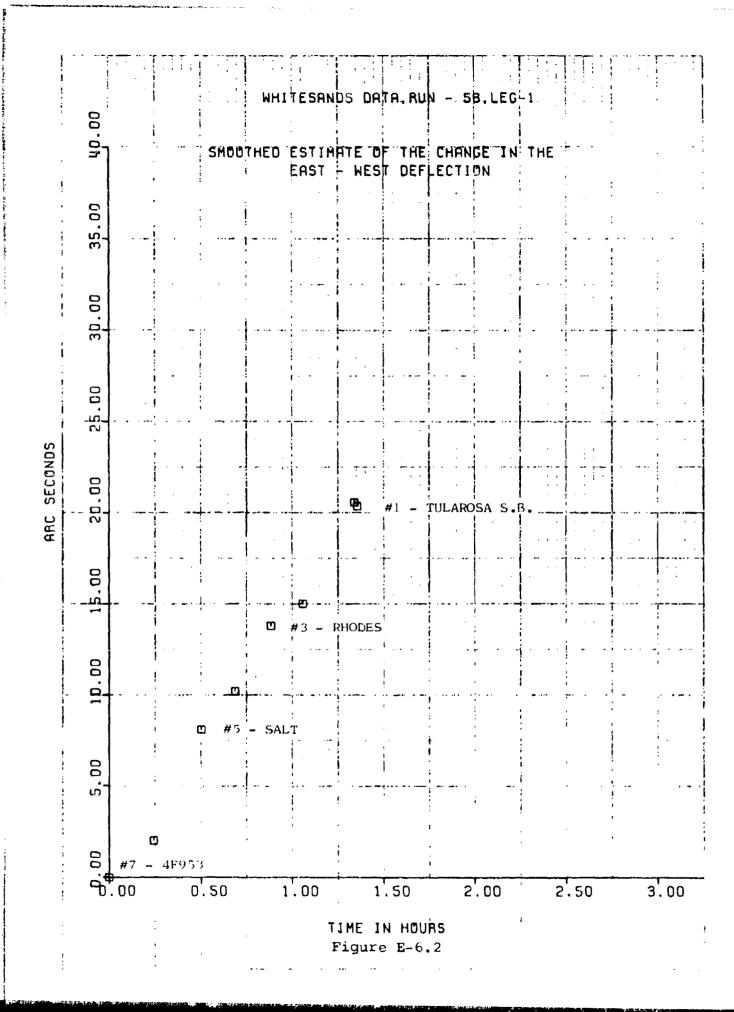
: (

. : i

| |

, .		: :		инт	TESON	IDS DA	TO BI	5	n I F G	•	1:	
00.				. Mila	i Eam	ייש. כּט		[N	H. L. L. V.	<b>~1</b>	!	
			SMOO	THED	ESTIM EAST	HTE O	F THE	LECT!	GE IN	THE	7 - ~ !	
10.00	·	!	  - 	i i								i i
			; ; ;	1 1 2 2 3 4	: : : : : : : : : : : : : : : : : : : :			**	· - ·		- - - 1	•
5.00		·		:	<u>.</u>		F		;		-	
0.00	#1	- TUL	AROSA	S.B.		.}	: : : : : :	; ;			: :	
-5.00		0	<b>t</b> #3	- RHC	DDES							
10.00					#5 <b>-</b> S	SALT _			-			
5.00 -		i 1			# ->	1	:				:	
20.001				• · · =				1		!	:	
		· · · ·	· · · · · ·			-0	#7 -	4F953			; -	- (- !
9.55.00	. 00	0	50	: 1	.00	1	.50	2	. 00	2	. 50	, 3.
	1 1 1	: :			<b>. . .</b>	   1ME    Figure	N HOU	i IRS		!		: : :

The state of the s



i .		•	! ; , '   :							! ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		:	!
		-		THM .	TESAN	bs DA	TA.RU	N 6	A. LEG	1	!		
00	; ;		1		: :	Ì	: : !	! · ·	1	•		• •	•
æ,			SMOO			ATE 0	F THE	CHAN	GE IN	THE	<u>.</u>		
	,	· -			EAST	- WES	UEF	LECTI	DN	•	•		
00	,		:	i i	!	: !	• • •	i i	; i	:			
6.0			<u>.</u>	!	! <del> </del>	<u> </u>	<u>;</u>	<del> </del>		<u> </u>	· · · · · · · · · · · · · · · · · · ·		
			· ·				<u>.</u>		<u>i</u>	•	:	•	į
0		<del></del>	•	:	: ` · · · · · · · · · · · · · · · · · ·	•	!	·! !	i	!	:	:	:
ų, 00	· •	.,		: 		; 	!		<u> </u>	<u>.</u>	: :	i	ŗ.
_		; ;	:	!	•		  - !	<u> </u>		1		:	:
			:				i i					•	
00.			·	! !	, 		: 					! !	
ິດ ີ		•		: :		i i	!		! !	i !		•	! !
-			1							ļ	1 4		· .
00	D	NC f		: ;	•		 !		i		; 1	<u> </u>	:
	#1 -	- WC-5	<b>5</b> O		;						. <del></del> -	; • <del></del> - ·· -	
			i			ļ				,	<u> </u>	1 j -	:
00.	,		1	; I	•	!	i :		ļ 1	•	; !	•	ĺ
. مٰ ــ		, <i>'</i>	<u>1</u>				:	:	<u></u>	<u>.</u>	<u>.</u>		-
			ED	. o	;	:		:	<u> </u>	1		i .	:
00		!	:			! !		· }	!	:	ŕ	:	
<del></del>		l		 ) #3 ·			, 						•
		j '	1			:			1	;		<b>:</b>	,
00		!	:		:	į		:	:	:		;	
-6.00	;		<del>-</del>	1	<b>. . .</b>	#5 <b>–</b> D	-3.5		· 		<b>.</b>	: 	-
		:	:	i i		i i	:		;	;			:
00			i	:	 !	O	; · · · · ·	47	·	į	: "		
	.00		1	<del>.</del>	!	1	<del> </del>	<del> </del>	- D-3	!	· <del>                                     </del>	<del></del> -	1
'0	.00	0	50	i 1	.00	1	.50	1 2	2 . 00	2	, 50	3	3'. C
	i			i i	7	ME I	N HOU	ns.		. <u>t</u> :		<u> </u>	
	i :			İ		Ligure	= <b>₽-0</b> 	• )		:	1	!	: i

والفي بالعابا العالم القراق والموافق والمواجدة والمقامة والمقامة والمدارة سم المعطوطين المحملات مستماعات

Anderson and Antonio and the Company of the Company

-

3.7 m

		!			MHI	TESAN	ps DA	rA.RU	N - 6	B.LEG	-1.			
;	2,50		- <del></del> .	SMOO		ESTIM EAST	ATE OF		CHAN	GE TN ON	THE	· · · · · · · · · · · · · · · · · · ·		
•	2,00		•	·		 !	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				-		· ·	
,	1,50	; ; ; ;	7	· · · ·	<del></del>	· · · ·								- 1
35	1,00	:		•								: :		•
ARC SECONDS	0,50	:				-				6	#15	- CONI	7	
	00.00	: ! #9 <del>-</del>	 GER <b>I</b>		 									
*	-0.50								0		• • • • • • • • • • • • • • • • • • •		•	-
; ; ;	-1.00			: , , , , , , , , , , , , , , , , , , ,		1		· · ··				·		; ; ;
	1.50						1		: ! !	FRY				
	0	.00	0	.20	0	.40 T	IME II	.60 N HOU E-6.	RS	.80	1	. 00	1	.20

	!	,			WHI	TESAN	DS DA	ra, Ru	N 7	a.LEG	-1			-
:	05.0	:	, , , , , , , , , , , , , , , , , , ,	SMOO	•	ESTIME EAST	ATE OF	THE DEF	CHAN LECT I	GE "IN	ТНЕ			
	0, 00	n 9 #15	- CONN	1		1 · · · · · · · · · · · · · · · · · · ·				<b></b> /.		·		
	-0.50	<del>es</del> -		, -	: - :	T							· · · · · · · · · · · · · · · · · · ·	;   
	.00		: :	·		: : • • · ·			-					·
SECONDS	50 -1	,	<b>©</b> #1	3 - F	RY	· · · ·								:
ARC S	0 -1.					<u> </u>		<b>n</b> #8	- SEI	EHORN				
	-2.00				; ; ;			· · · · · · · · · · · · · · · · · · ·						.»
:	-2.50		: -	<u> </u>		: : : :				: 		· · · · · · · · · · · · · · · · · · ·	•	
# :	-3.00							:		· , <u>.</u>	· · · · · · · · · · · · · · · · · · ·	: !	· · · · · · · · · · · · · · · · · · ·	•   
::	3.50	.00	:		i : :	; 11 - B	RYCE		· · · · · · · · · · · · · · · · · · ·		! : :			
	`lo	.00	0	.50	1	.00 T	IME I	.50 N HOU E-6.	RS	.00	2	.50	3	.00

And the second s

----

E S. e - B

				WHI	TESAN	DS DA	TA, RU	N7	B,LEG	-1			
8,00			รทบบ		ESTIM EAST			CHAN LECTI	GE TIN	THE	; ; 		· · · :
7,00			· <del></del>	·	, , , , , , , , , , , , , , , , , , , ,			· 		•		#1 -	WC-5
6,00			- <b></b>		!				: !	• • • • • • • • • • • • • • • • • • •		i -	<i>,</i>
5,00				1					:	•			:
- 00.		:	<del></del>	e #4	. – SIH	OT		8	#2 -	LAURA	CENTI	        ER	
3,00		; ; ; 			· .		··· ·· ··		! !	-    -			•
2,00	-	: : : : :		! !				-	1 : :				•
1.00			. <u>.</u>		· · · · · · · · · · · · · · · · · · ·	;		, : : : :	:			• •	
00.€	#6	- NW-3	o . <b>20</b>	:	.40		.60		.80	!	.00	; ; ;	1 20
	. 00 !		. 20		: : T	IME I	и нои	RS		:	;		1.20

The second secon

[**	!									`	- 1			
; ; ;	20			_		ļ	DS DA	: :	ĺ	A.LEG	-1	i . i	1	
		,		SMOO	THED	ESTIM	RROR HTE U - SOU	F THE	: СНЪИ		THE		)	
				į		!  -  -  -					; ; ·		:	
	1.00				•		·			<b>.</b>	· ·	· ·		
:					:				-			: i	: ! !	
; ;	0, 30			- 14			! 	. —	! !			1 : + .	. <u>.</u> .	· · · · · · · · · · · · · · · · · · ·
:			:		! !	· -	-				: • • •	: :		· .
	0; 60		•			: : <u></u> :			: :	! 	; t 	· ·	 !	
SECONDS				0		! ! !			: : <b>i</b>	 	<u> </u>	! !		
ARC SE	0,40	· ·	<b>6</b>	·	<u> </u>	 		: : :	   	 	 I	<u>:</u>		
B						! ! ! !				;			: 	
	0.20			, . <del>.</del> .	<u>.</u>	#5 <b>-</b> \$	! SALT···	! 	· · ·	: .~ . –		· •	! ! !	
1					,		!	•	! ! !	: :	! !	•••		
:	0.00	<b>)</b> #1 -	, - TULA :	ROSA S	, S •B •		<u> </u>	#7 <b>-</b>	   41-953 	; , <del></del> · ·	•••		‡ 	· ·
:	20	و	: !		, , , , , , , , , , , , , , , , , , ,				:				•	
:	-0.5			<del></del>	! ! !							-	•	·
;	0		; · · · · · · · · · · · · · · · · · · ·	#3 <b>פ</b>	, - RHO	! ODES	:		: :	,			•	
•	0ħ.₫-c	. 00	• · · · · · · · · · · · · · · · · · · ·		<del>i </del>	.00		; • = 0	,	.00	<del></del>	.50		.00
	: :	. 00	:	.50		:	IME I	.50 : N Hou	1	. 00		, 30		
}			<u></u>	· · · · · · · · · · · · · · · · · · ·	<b>.</b>	1	Figure	E-7.	1	· 	i 	· i	: <u>i.</u>	1 American a as

and the second

1 sheeded

. . .

Herpecount I

5

.

A Shakehold &

L Standard

B GROWN

.

1

	'		HI	TESAN	DS DA	TA.RU	V - 5	B.LEG	-1			
	3.50	SMOO	THED		RROR ATE CI		CHAN	GE IN	THE		<b>i</b>	
: !	3.00	<u>.</u>			<b>-</b>		e en Process				! • ~ ~	• • • •
•	2.50				·							1 1
	2.00	<b>C</b> )	<u> </u>	: <b>o</b> : 4 #3 <b>-</b> R	HODES			··				- <b>-</b>
C SECUNDS	1.50	<b>p</b> #5	- SAL	:					-			
יייייייייייייייייייייייייייייייייייייי	00						· · · · · · · · · · · · · · · · · · ·					
	0.50		· · · · ·				_					
•	00	- 4F953		; ; ;						i . <u>.</u>	•	
	20 (2		· · · · · · · · · · · · · · · · · · ·	; ;	· • • #	1 - TU	LAR	OSA SI	i	. • ·	. <del>.</del>	,
	0.00	0.50	1			.50 N HOU E-7.	RS	.00	2	.50	3	.00

			i	i NHT	TESAN	ns ne	TC 1	RIIA	l _ 6	D I FC		;		
	3.50	:	SMOO	: THED <sup></sup>	THE E ESTIM ORTH	RROR ATE	IN T	THE	CHAN	GE IN				
:	3.00	•			<b>(D)</b> #	5 <b>-</b> D	;==: ;=3,5		. <b></b>			· · · · · · · · · · · · · · · · · · ·		·
!	2,50		Q	#3	- GUN	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	i	;				. • · · -		; ;
8	2,00			- 0				1		:			· ·	
ARC SECONDS	1,50												····· ••··	
•	1.00	a		-			: .				: : :	1		
	0,50				i	· · · · · · · · · · · · · · · · · · ·				, ,		<u></u>		
	aj. 60	: ; ; ; #1 ;	- WC-50	i : :			!	: : C	ı #7	- D-3	3	:		1
	0.50		7.50			:	T	:				!		
	υ <sub>γ</sub> .	. 00	0.50		.00 T	IME I	.50 N H0 e E-	บห	S	.00	2	.50	3	.00

A Marie And A Maria And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Maria And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Marie And A Maria And A Marie And A M

and the second of the second o

0.40 0.60 0.80	SMOO	THEO :	THE E	OS OR RROR ATE O	IN THE	E CHAN	GE IN				
0.60	SMOO	THEO :	ESTIM	ATE O	F THE	CHAN		THE			
0.00	· .								•		
o							·	· :	• •		
		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;					· · · · · ·				
07.0	·	!		: 1							
0	· · · · · · · · · · · · · · · · · · ·	} :	į						:	•	
		 		<u>.</u>				. <b></b>		-	
		<u>!</u>	-				. @				
0.50	!				©•( #∫	3 - F	RY				
:		1		  - 		·				· · · · · · · · · · · · · · · · · · ·	i ••• -
00	:	: : !					·			. !	
<b>a</b> #9 -	- GERI						<u>(1)</u>	#15 ~	CONN		
50			· · · ·		,				• ·		<del></del>
o l			÷· ··· ;				••, •-		: 	- · •	• ~
0		. !	! !	! !				į			
	· . • •	, · · i		· : !	: ! 	<b>e</b>			. <del></del> -	•• !	
		: :		; ; ;	; ! :		•	!			ı -
D. 60	:										
1	•	Í !	i	; ;	; ;		· ·	•		,	-
. 80	ф	: !		i . . :	;			<u>}</u>			
0.00	0.20	0	.40	0	.60	0	. 80		L.,	1	. 20
		! : :	1	IME II	N HOU	RS 4		: : :	1		
	ימה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה חייחה	OD #9 GERI	00.0 #9 GERI	00.00 #9 - GERI 00.00 0.20 0.40	00.00 #9 - GERI 00.00 0.20 0.40 0	On 0 #9 - GERI ON 0 - O	00.0 #9 - GERI	#13 - FRY  #0 - GERI  00.00  0.20  0.40  0.60  0.80	0.00 #9 - GERI #15 - 0.00 0.20 0.40 0.60 0.80	00 #9 - GERI #15 - CONN  00 #9 - GERI  00 00 0.20 0.40 0.60 0.80 L.	#13 - FRY  #15 - CONN  #13 - FRY  #15 - CONN  10 - GERI  10 - GERI  10 - GERI  10 - GERI  10 - GERI  10 - GERI  11 - GERI  10 - GERI  11 - GERI  12 - GERI  13 - FRY

		ì			МНІ	TESAN	DS DA	TA.RU	N 7	A.LEG	-1			
;	0.20			SMOO	THED	ESTIM	RROR ATE O	THE	"CHAN		THE	:		!
:	0,00	, #15 ,	- CON	<b>N</b>	: i	·		<b>u</b> #	8 <b>-</b> SI	EEHORN	•	•		!
:	-0.20		•	· ·				-						
(0	0ħ.d-	.,								1		· · · · · · · · · · · · · · · · · · ·	:	
ARC SECONDS	-0.60		· · · · · · · · · · · · · · · · · · ·							1			-	. <u>-</u>
σ	-0.80									· · · · · · · · · · · · · · · · · · ·				
:	-1.00	<b>o</b> .			e # 1	: ! ! - BF	RYCE		; ; ; ;			· • ·		
1	-1.20	;		<b>-</b> 20	0		1	: : : :			:		( : : :- ·	
;	01.		<b>6</b> 3 – FI	RY		מ	! 	:		· •			. :	4 4 1
1	0,	.00	0	.50	1	.00	:	.50	<u>'</u> !	.00	2	.50	3	.00
		: أر سيدس .		, : : !	•		IME I Figure			4 		L	<u>.</u>	

7

14.

) )				···· • ;	WHITES	RUDS	DAT	A, RU	N - 7	7B, LEC	i i-1	(1 may 1990 v.)		
; ;	3.50	!	!	SHOO	THE THEO EST NORTI	HATE	OF		CHA		THE			•
	3.00				•••			•	, : 	; sk • 2			· .	
•	2,50		<b>:</b> -		ற #4 <b>-</b> :	; БНОТ				· · · · · · · · · · · · · · · · · · ·	· ·		· ·	:
න : :	2,00		: : : : : : : : : : : : : : : : : : :	-	: :								· · ·	
ARC SECONDS	1,50	. <u>.</u> .			: : : :	<u> </u>	i : :	e un rina		· · · · · · · · · · · · · · · · · · ·				
:	1,00		; ; ;	e uma-		. !				#2 =	LAURA	CENTE	Κ - ! 	-
:	0,50	-	!			•					 :	<b>©</b>		
	0.00	<b>)</b> #6	- NW-30	)	• •	1	-				· ! .	. 6	, #1 -	- WC-50
	05.0-0	.00	0.	20	0.40	· · · · · · · · · · · · · · · · · · ·	0.	. 60		0.80	1 1	.00		1.20
!	·	A		<b>20. 18</b> . 1				N HÖU E-7	1	· :	! 	· ·	j	

The state of the s

	-	1	' ;			TESAN	ns ne	TA, RU	N - 5	A. I. F.G	- 1		i	· · ·,
	2.50	}	t	SMOO	THEO	THE E	KROR ATE O	IN THE	E Chan	GE IN			! ::	
:	2,00	: 		ր 19 #3	 - RHO	DES				, <del>, , , , , , , , , , , , , , , , , , </del>				- 1
i : :	1.50	i j	<u>o</u>	<u>-</u>		·			· · · · ·			:	; 	
CONDS	1.00				• • •		•			,		,	; ; • · · · · · · · · · · · · · · · · · ·	
ARC SECO	05.50	<b>.</b>		:	· · · · · ·	: : : : :		i						
1	0.00	ם או (	TULAI	ROSA S	.B.	#5 -	SALT i	#7 <b>-</b>	4F953					
:	-0.50			- :	; :	· · · · · · · · · · · · · · · · · · ·	; ; ;	• • • • • • • • • • • • • • • • • • •	!	· · · · ·		, <del>.</del>		
	-,1.00				· · · ·	' <b>0</b>	; ,	<del>(</del>	•					
:	0-1.50	. 00	. 0	.50	. 1	.00	1	50	: ! ! 2	. 00	! :	. 50	! 	.00
;		, Herein was a				<b>T</b>	JME I Figur	N HOU	RS .1	! 	: :	:	!	i

AND THE PROPERTY OF THE PROPER

					MHI	TESAN	ps da	ra. Ru	N 5	B.LEG	-1			
	1.50		<u>.</u>	SMOOT	THED"	THE E ESTIM EAST		THE	E CHAN LECTI		THE -	· • ·		:
	1.00	 		· · · · ·	:	. <u>.</u>						; ; ; • • •		
:	0.50			<b>-</b>	!	L								
	0.00	#7	- 4F95	i i i i i		<del></del> .	. o #	1 - T	JLAT(	ORSA S	SB	1  -  -  -  -  -  -		
SECONDS	-0.50								-	: 	- /			
ARC	-1.00		_		0	#3 -	RHODES	. <u>.</u> .				i i i		
;	-1.50					; ;	!	-			! ! :		; ;	
:	-2.00	Q	!	ص	! ; !	·		<del>-</del>		•	•			
; ;	. 50		;	<b>D</b> #5 -	SAL.T			!	1		: :		! !	
	0	.00	0	.50	1	.00	IME I Figure	.50 N HOL e E-8	RS	.00	2	.50	3.	00

3.

Transport .

WHITESANDS. DATA, RUN - 6A, LEG-1  THE ERROR IN THE SMOOTHED ESTIMATE OF THE CHANGE IN THE ERST - WEST DEFLECTION  OF #5 - D-3.5  OF #1 - WC-50  OF #7 - D-3		!
SMOOTHED ESTIMATE OF THE CHANGE IN THE EAST - WEST DEFLECTION  OO S  OS - OO S  OO S	6A, LEG-1	1
SMOOTHED ESTIMATE OF THE CHANGE IN THE EAST - WEST DEFLECTION  00 8 05 2 00 7 00 7 00 7 00 7 00 7 00 7 00 7		
00.5 05.7 00.1 00.1 00.1 00.1 00.1 00.1 00.1 00		
8	1110N :	
E #3 - GUN  E #5 - D-3.5		·
2 00.2 05.0 ED #3 - GUN  ED #5 - D-3.5  ED #5 - D-3.5	<u> </u>	=
ED #3 - GUN  ED #5 - D-3.5		:
2 00.5 0.5 0.0 1.50 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2		:
00.5 00.1 00.1 00.1 00.3.5 Eg #3 - GUN		
ED #3 - GUN  ED #5 - D-3.5		, , ,
ED #3 - GUN  ED #5 - D-3.5		. •
05.1 00.1 00.1 00.45 - D~3.5		. ,
00.1 00 #3 - GUN 00 #5 - D-3.5		
00 #3 - GUN  00 #5 - D-3.5		. !
© #5 - D-3.5		
© #5 = D-3.5		
© #5 - D-3.5	-  -	
D. SO		i
D. SO		
		;
	1	
00 #1 - WC-50 -		
00 #1 - WC-50 to #7 - D-3		•
□ #1 - WC-50 1		
	#7 - D-3	·
200	i i	•
0.00 0.50 1.00 1.50 2.00 2.50	2.00 2.50 3	3.0
	;	
TIME IN HOURS Figure E-8.3		i

Salar S

Ţ

frittenen d

1

The same of the sa

Activement . 4

----

7

A to the same

のでは、これでは、100mmのでは

			. WHI	TESAN	DS DA	TA. BU	N - 6	B.LEG	-1		•	
1,40		SHOO	THED			F THE	1	IGE IN	THE			
1,20		·	! : :				1	; ; ;	 		: :	• •
1,00		· · : · !	: : !	† ; ;		!	6	: : :				:
08.0		<b>. (5</b>	•	· · · · · ·	i		#13 <b>-</b>	FRY		:		
09.0	<u>-</u> .											· · · · · · · · · · · · · · · · · · ·
0,40		: : : : :	- -			 		!	,	-	=	· · · · · · · · · · · · · · · · · · ·
0, 20		i 	·	<del>.</del>	-		: · · · · · · · · · · · · · · · · · · ·			, ,		
0.00	D #()	- GERI			• • • • • • • • • • • • • • • • • • •	•••	<b>!</b>	!	     			
0-0.20		:	:		i ; ;		,	:   ס	#15 -	- CONN		
0	.00	0.20	0		O IME I Figure		i IRS	. 80	1	.00	1	.20

		:			IHW	TESAN	DS DA	TA, RU	N - 7	A.LEG	-1			
:	3.50	- ··	;	รทบั	THED	ESTIM	RROR ATE OI - WES	THE	CHAN	GE IN	THE	• ·	· · · · · · · · · · · · · · · · · · ·	
	3,00		· · · · · · · · · · · · · · · · · · ·		•							· •	· · · · · · · · · · · · · · · · · · ·	
	2,50			· ···· ·		•			<u>.</u>			<b></b>		
	2.00	· •				1 - Bi	RYCE	., ;		-				
ARC SECONDS	1:50	- ···• <b>(</b> 0	<b>.</b> (1) # )	! !3 - F	RY	<u> </u>						-		
A.	1.00	<b>.</b> ,		· · · · ·	1 1 1 1				-					
;	0.50		· ·		:	· · · · · · · · · · · · · · · · · · ·			: : :				1	; , }
	0.00	<b>9</b> <b>4</b> 15	CONI			; <b>(</b>		;     <b>'U</b> #8	: - SE	EHORN			; ;	· · ·
1	, -0.50	.00			· · · · · · · · · · · · · · · · · · ·	<u> </u>	;	r	· .	. 00				
	<u>.</u>	. 00	! !	.50	1	'. 00 : T	IME I	.50 N HOU E-8.	RS	.00	2	.50	3 ; ;	.00

5.

malaman and a state of the stat

L

				;	· ·	TESAN	os oe	TA. RU	N 7	B, LEG	-1			
•	1,40			<b>SMOO</b>	THED T	: THE E ESTIM EAST	RROR	IN THE	CHAN	IGE IN	; : :			
	1,20					• 	ļ		•			,		•
	1,00		·		-	: 	. 0	1			 		!	
)S	0,80		·		, , , , , , , , , , , , , , , , , , , ,				<u>.</u>	·	,			
ARC SECOND	09, 60					! ! 			:   	i ·		· · • - •		
	o, 40		<b>-</b>					·		·				
:	0,20			-		<u>.</u>		! 	m	, #2 <b>-</b>	LAURA	CENT	er .	! : : 
,	0,00	<b>)</b> #6 -	- NW-3	0 .		· :	; ,			; 	· · · · ·	 O	#1	WC~50
:	5-0.20	.00		. 20	-	.40		.60		. 80	· ·	0		3n :
	:	. 00		, <b>c</b> u			IME 1			. <b>6U</b>		. OO	!	.20

.. ------

## APPENDIX 1

REAL TIME ESTIMATES, SMOOTHED ESTIMATES, AND ERRORS IN THE ESTIMATES OF THE DEFLECTION OF THE VERTICAL CHANGE FOR THE RUNS DIVIDED INTO MULTIPLE LEGS

This appendix presents deflections of the vertical data associated with the 11 missions which were divided into shorter time segments. This includes Runs 3,4,1, 2(2), 9, 2(1), 8(2), 10(2), 10(4), 13, and 14. The data is divided into the same four groups as noted in Appendix D.

## LIST OF ILLUSTRATIONS FOR RUNS DIVIDED FOR SHORTER TIME PERIODS

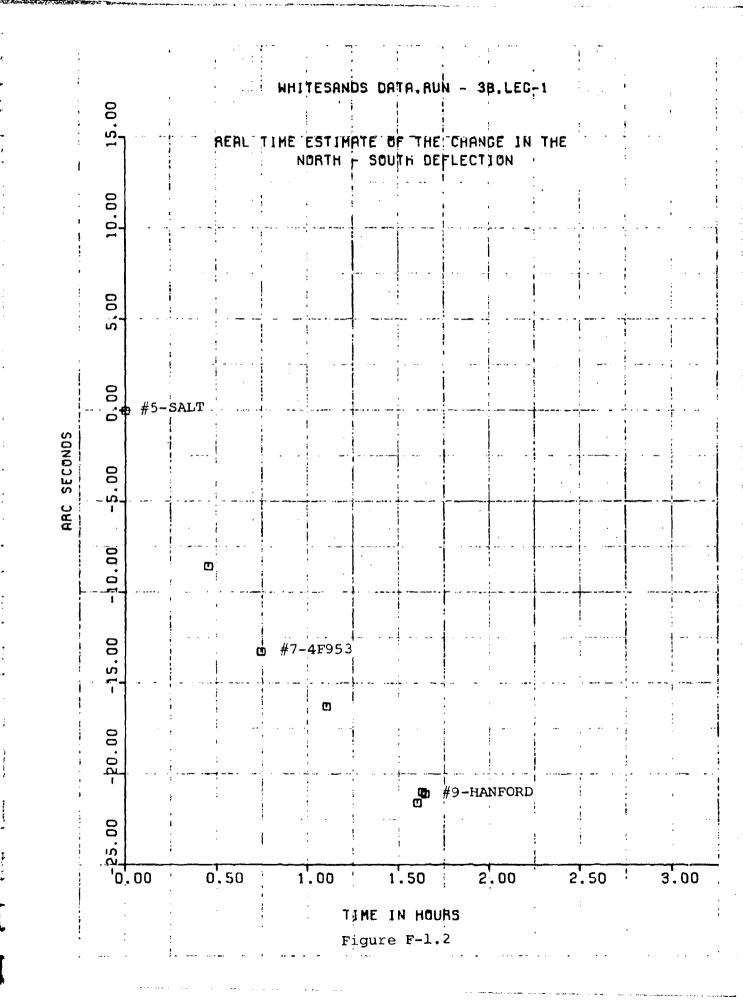
$N-S(\xi)$		$E-W(\eta)$
Figure	Run Illustration	Figure
I. Real Time	Estimate of the Change in the Deflections	
F1.1	#3A	F2.1
F1.2	#3B	F2.2
F1.3	#4A	F2.3
F1.4	#4B	F2.4
F1.5	#1A	F2.5
F1.6	#1B	F2.6
F1.7	# 2(2)A	F2.7
F1.8	# 2(2)B	F2.8
F1.9	# 9A	F2.9
F1.10	#9B	F2.10
F1.11	# 2(1)A	F2.11
F1.12	# 2(1)B	F2.12
F1.13	# 8(2)A	F2.13
F1.14	#8(2)B	F2.14
F1.15	# 10(2)A	F2.15
F1.16	#10(2)B	F2.16
F1.17	# 10(4)A	F2.17
F1.18	# 10(4)B	F2.18
F1.19	# 13A	F2.19
F1.20	# 13B	F2.20
F1, 21	# 14A	F2.21
F1.22	# 14B	F2.22
II. The Error	in the Real Time Estimate of Change in th	e Deflections
F3.1	# 3A	F4.1
F3.2	# 3B	F4.2
F3.3	#4A	F4.3
F3.4	#4B	F4.4
III. Smoothed I	Estimate of the Change in the Deflections	
F5.1	# 3A	F6.1
F5.2	# 3B	F6.2
F5.3	# 4 A.	F6.3
F5.4	#4B	F6.4
F5.5	# 1 A	F6.5
F5.6	# 1B	F6.6
F5.7	# 2(2)A	F6.7
F5.8	# 2(2)B	F6.8
F5.9	# 9A	

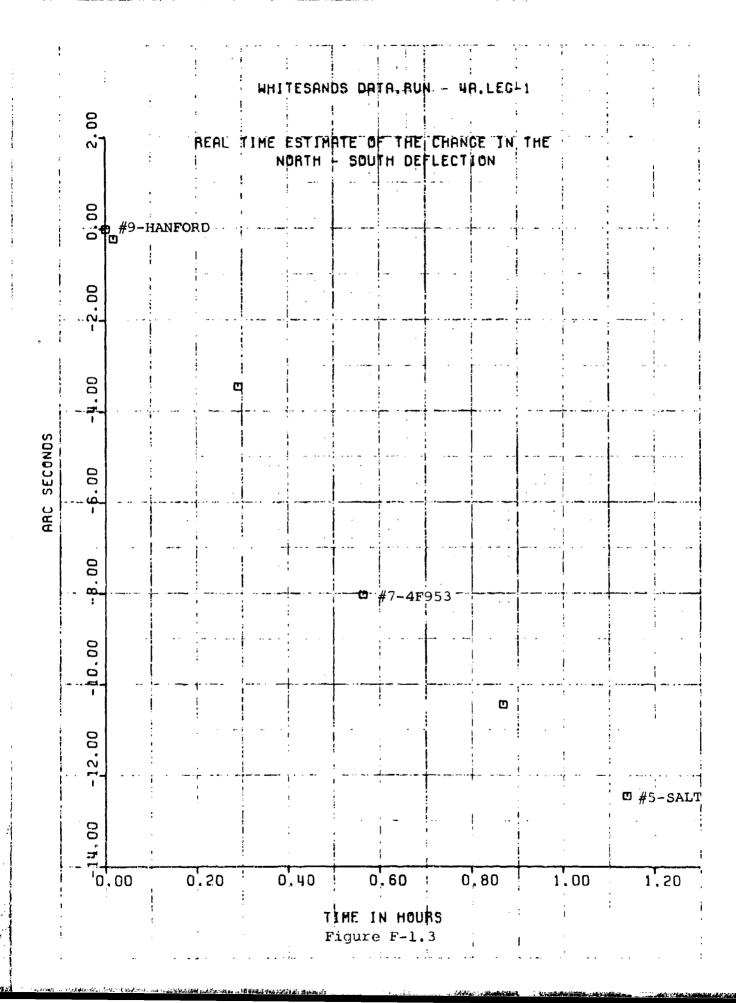
## LIST OF ILLUSTRATIONS FOR RUNS DIVIDED FOR SHORTER TIME PERIODS (contd)

N-S ( Figur	<del></del>	E-W (N) Figure
III.	Smoothed Estimate of the Change in the Deflections (cont	)
F5.1	#9B	F6.10
F5.1	# 2(1)A	F6.11
F5.1	2 # 2(1)B	F6.12
F5.1	8 # 8(2)A	F6.13
F5.1	# 8(2)B	F6.14
F5.1	# 10(2)A	F6.15
F5.1	# 10(2)B	F6.16
F5.1	7 # 10(4)A	F6.17
F5.1	₿ #10(4)B	F6.18
F5.1	# 13A	F6.19
F5.2	# 13B	F6.20
F5.2		F6.21
F5.2	2 #14B	F6.22
IV.	The Error in the Smoothed Estimate of the Change in the	Deflections
F7.1	# 3A	F8.1
F7.2	# 3B	F8.2
F7.3	# 4A	F8.3
F7.4	<b>#</b> 4B	F8.4

į					'								
• • • • • • • • • • • • • • • • • • •	0.00	#1-Ti	ULAROSA R	A SB EAL	TIME	EST'IM	ATE" Ø	F THE	N - 3 CHAN FLECT	GE IN			
	-2.00		•		:	•					: 	<b></b>	
i : :	-4.00			:	<b>o</b>						<u>-</u>	i	
; •	-6.00		•	i 	· · · · ·						: : i		
C SECONDS	-8.00	  -  -					C	#3-1	RHODES	5			
ARC	-,10.00	. <u>-</u>						- · · · · · · · · · · · · · · · · · · ·			·		
•	-,12.00						· -	į	-	!	· · -		
:	-,14.00	-	: !	:				: 		· ·	· · !	# <u>1</u>	5-SALT
<u>;</u>	-16.00	.00		0.0			 				· ·		
	· 0	.00		20		, 40 T	0 IME I Sigure	.60 N HOU F-1.		.80	· 1	.00	1.20

なまな 大学





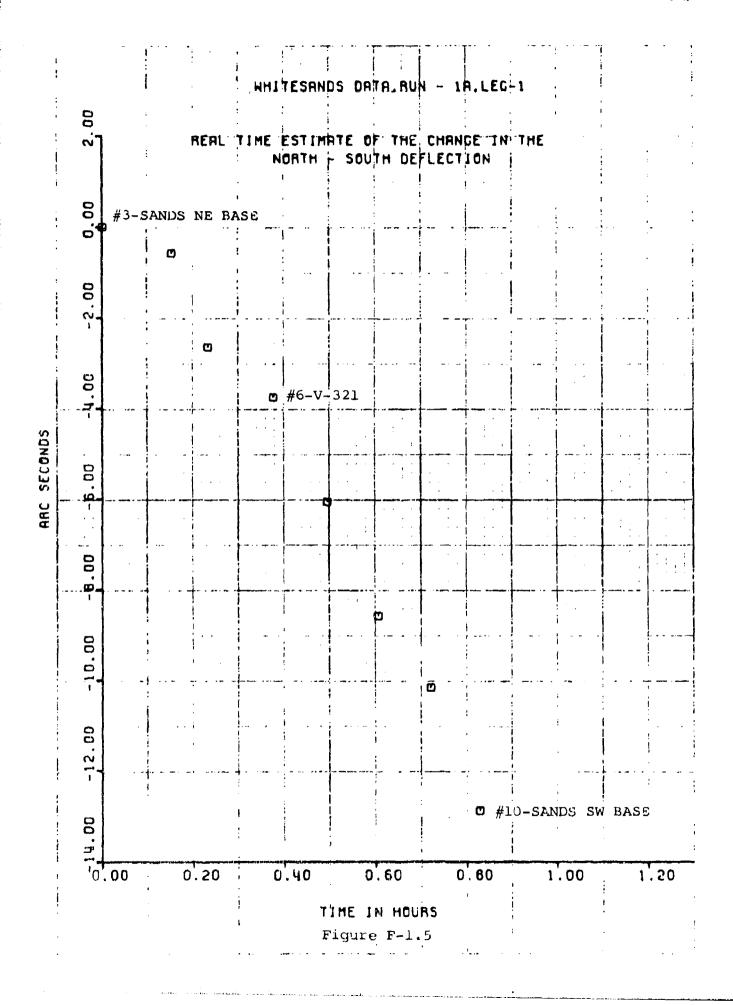
1	; }		:	;		IME I igure			r	:	, 1	į	
0	.00	0.2	20	0.	40	•	.60		.80	1	.00	1	. 21
0.16.00	! !						<u>.</u>		i ! ! !	o #	L-TUL?	AROSA	SE
-14.00				-							:		-
-12.00										;			
-10.00		-							<u> </u>				-
-B.00										, .			
9					<b>⊕</b> #3−	RHODE	CS						
-6.00					. <u> </u>					† ; ; ; ;	-		
-4.00			}										
-2.00	:	 O		:		;· ;					·		I
0.00	; 3 #5~S	ALT RE	AL TII	ME E NO	STIM	ATE 01 - 50U	F THE	CHAN FLECT	GE IN ION	THE	. ,		
	;		:	TIHK	ESAN	DS DA	TA, RU	N - 4	B,LEG	- 1	•		

A Selection of the sele

17.27mm

1:

----



	i					1			;	<b>!</b>		:   	:
	:	f f	••	IHW	TESAN	DS DA	ปล.ลบ	N - :	B.LEG	<b>i-1</b>		;	, ī
00				; ;			Ì	<u>!</u>	:	•	:	:	
ຕັ		RE	AL		EST IM DRTH	£	IF THE ITH DE		NGE IN Tion	THE			•
		• !	•			,							
90		1 •		•		•	!	!	,	t	•		
~`	]	i :					!			:	' :	:	
								-			•		
00				:	:	1 1 4				l •	,	:	
		· ;		f	t	! !		. 0		•			
_					- * *		į	• •		:	:	:	
0.00		; -sands	sw i	: BASE	1 :	! :	· 	! _		i 	!	•	.•••
J		· · · · · · · · · · · · · · · · · · ·		<b>!</b> :	:	; 	:		i :	•		i :	t
00		0			<b>!</b>		 		;	1		, i	!
- <del>-</del> -	-		<i>.</i>		• ·	i . · ·			: 	· •			: 
				· ·		#12	MORGA	AN	:	; r	:	:	; !
8				• • •		1	1		:		1	1	·  -
بې . ـ . ب	-			:			<b>†</b> • • •			·		<u>.</u>	
		· · · · · · · · · · · · · · · · · · ·		:			į	,	i	<b>:</b>	i	:	
00.		!		,		i						:	
<del></del>	1		•	· · ·			:		· ·	· .	•		
				•		!		:		!		:	
-4.00		i 				:		:	•				ı
<b>3</b>	1	:		!····			•••	:		<del>-</del>	٠		
		•			:					:	#200	<b>0</b> 01-BEA	ASLE
5.00						: <u></u>						· • • • • • • • • • • • • • • • • • • •	
10	00.00	0.2	20	0	.40	C	60	,	0,80	1	. 00	1	. 20
				<u>!</u>	1		N HOU		1	i			
	:			: !	į .F	igure	F-1.	.6		:			!

A STATE OF THE PROPERTY OF THE

Statements - 1977 Same

Milespecial and properties of the second sec

1

Fidensial .

B. condenses.

7

} ;

And the party of t

The secondary

	- Y	. ~ <b>!</b>			ині	TESAN	DS DA	TA. NU	N - 2	A.LEG	-2			· · · · · · · · · · · · · · · · · · ·
	0.00	#200 :	1-BE/ 	i		ESTIM DRTH	HTE 0	THE	CHAN FLECT	GE IN	THE			•
	-2.00	,			ļ }· · · · · —	~ ~						!		
	-4.00	, , ,	· ••••	,						-			•	
	-9.00	,			-	-					. <u>-</u> .			
SQN	00.8						O							
	-10.00												: .	
	-12.00								e #1	2-MOR	GAN			
	-14.00		·	1		! ! !		'    -  -						
,	16.00				f	! !		- ·		İ	ļ	<b>n</b> 10-SA	H NDS S	: Bas
	o.	00	. O	. 20	0		IME 1		AS	. 80	: <b>1</b>	.00	! 1	.20

1.00 mm

はなどのあるとうない

ſ								1		Γ				
j	; ;				IHH	7ESAN	DS DA	TA.RU	y 2	B.LEG	-2			
	50		! ,	:	:	;	:	- '	: !	<b>!</b>	•	i :		,
	~√]	•	•	REAL	TIME N	ESTIM ORTH		F THE TH DE	CHRN		THE			
					:		;			1 : :				•
:	8	·	i	:	:				•		:			
•	۲,			. ,	:					1			•	
!	_		:	•	· :			•   			:	· - !		
į	. 50		¦			} }	<b>.</b>	i }		; ;		: , ·		····
!			;	; ;	;	i		!	 	, ! ;	:	' ;	ı	
	00		i •		•	•				!	• •	:		
 		•••			·, —		; ;	· · · · · · · · · · · · · · · · · · ·	; ; i		! ! !			
SONO		-		1		; g #6-V	-321	: :				_	-	,
SECONDS	50		!	<b>p</b>	:				1		!			
ARC	ຶ່ລີ	-			;	†			i <del>.</del>	; · · ·	<b>†</b>			
	· .	-	ļ					i · ·	; ;	<u> </u>	:   -	1 · · · · · · · · · · · · · · · · · · ·	: :	•
	. 00 . 00	2 #10-	SAND	s sw	BASE	**************************************								
!			:	•				;	•	i i	<u>i</u>			:
	SO	(	<b>.</b>	i ,	1	:	; ;	:			•	t		
i :	Ę,			•	;	· · · ·	i 			• •,			•• •	
:					)		! !	D		<b>13</b> #3	SANDS	NE D	ASE	
	. 00			!	:	:	!		;	•		,		
:	- 7-		i		1.	,	i in					, ,		
•			!	1 .		<del>.</del> .	ļ , ,		í ,		1	:		
i	. 50		, ,	angene The eventual		do-	<u> </u>		; ;	- دستو پاچن	, 1			
:	0	.00	(	50	Ω	.40	0	,60	0	.eu	i	. 00	1	. 20
		ļ				1	ime i	ניסא א	RS	!	; · · ·	! ·- · · · · · · · · · · · · · · · ·	,	!
-			; ; !			F	igure	E	!					

音楽があるというながらなって人名がます。対象がないがなどの対象などがない。

		!						,					
٥	1			I HH I	TESAN	DS DA	TA.RU	4 <u>-</u> 9	A.LEG	1	1 -		-
5.00	;	· ·				!	i		: :				
35	• •		REAL		ESTIM IDRTH		F"THE TH DE	FLECT	GE IN	THE	1	-	
	;		•	*					: :	!		•	· ·
30.0c		;		:	;	•	1	ì				<b>;</b>	
e ]						•		·	1	<b>.</b>	!	!	
			!	:						!	:	:	; <b>&gt;</b>
25.00	_!		!	!	! !	: !	İ	<b>(</b>	!	<i>:</i> !	•	1	:
0			! !			•	:				:		
0				İ	:		: } !	i	:			: 1	:
20.00	-		•	] ;	<u> </u>		<u> </u>	! ! !	ga sarawaya a sa	; ; <b>–</b>		i ! !	i • !
2				i	:				:	<u>}</u> !	;	:	: :
0	1		1				!	!	•	#1	<b>1A2-</b> 01	ins sv	BAS
15.00			. <u></u>	<u>.</u>	1		! <del> </del>	j	!	4		ļ 	•
			:		j	<u> </u>			; ; !	! 	:	9	į
00	,		†	!					_	<u> </u>		-	!
10. C		·	<u>.</u>	 		0		#13	-EASY	: <del> </del>	ļ	<u> </u>	! 
•		•	: :	i	:	•	:		<u>'</u>	į	!	! i	:
		' <i></i>			1		· ·	· ·		† !	ı		
5.00					+		· 1	i 		* • • • • • •	, ,	:	
				:	:	i	•	•		•	:		•
0		, (	2)		1 i	:			:	 i	1	!	1
0.00	<b>29</b>	: !			· · · · · · · · · · · · · · · · · · ·	· ·		, 3 <del>4 </del>			<u>:</u>	·	y =
	#200	T-REY	ASLEY	1		1	! !	:	· ·	!		1	•
00				1	:	!	: "	•	:	: 		!	; ;
	.00		0.20	. (	. 40	0	. 60	. 0	.80	i 1	.00	1	.20
	,           .	: ! 	,	i	*	:		i		!	•	: :	
					· F		N HOU F-1.		:	1	1	!	1

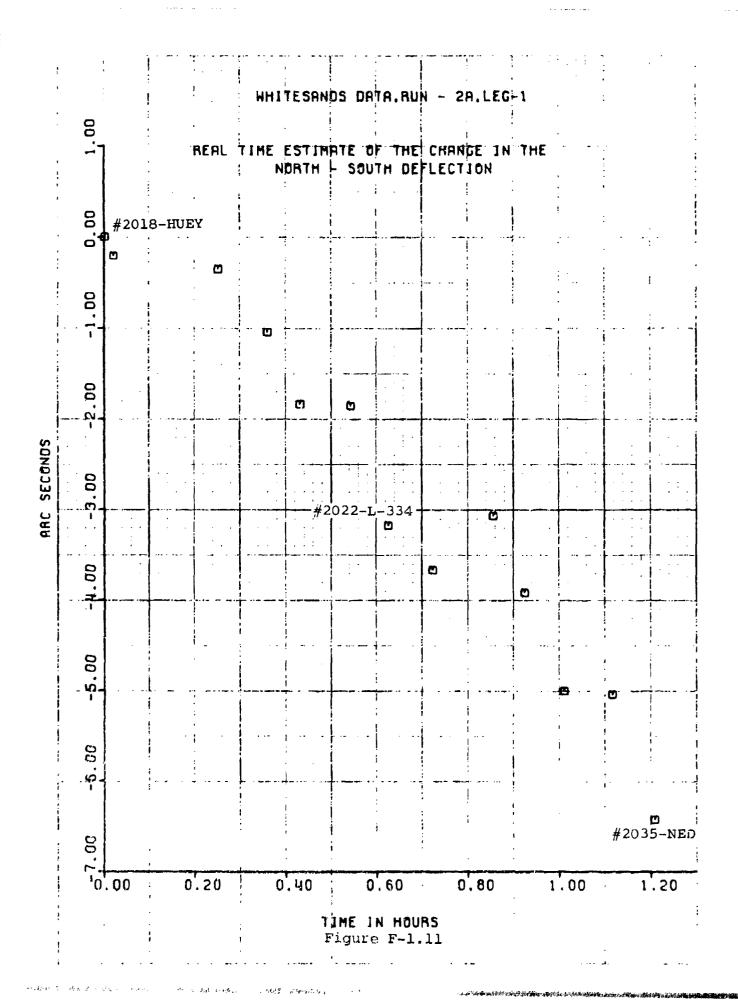
:										* * * * * * * * * * * * * * * * * * *			,
00	. !		· · · · · · · · · · · · · · · · · · ·	IHW	TESAN	DS DA 	TA, AU	N 9	B.LEG	<b>-1</b>			
وَ	:		REAL	TIME	: Estim Orth			: CHAN FLECT		THE	:		
8	:			:	-		' : I	; <b>b</b> #3-	SANDS	S NE	BASE	•	
14.00		<b></b>	• .		<u></u>		i	i 	·			· . · ·	., .
00.	• .		: •	;	:	· i ···	! !			• • •		:	:
12.	:		, 	-	i		· · · · · · · · · · · · · · · · · · ·	; ; !	, ,	: 	· · <u>· · · · · · · · · · · · · · · · · ·</u>		
00	; !	•			:	· <b>(2)</b>	!	: 	:	! !		•	
10.0		•	, , ,	· ·	:		: <u> -</u> .	<u>.</u>	l 	<u>.</u>	<u> </u>	: + !	-
	•		· · .	:	#6-	V-321	! !		:	· ·			
8.00			:		<b>(b)</b> "		: : :	ļ <b>-</b>	i			· ; ;	-
	1		, , , , , , ,		1	<b>!</b>	!	:	! 				-
6.00			* * **********************************	† †	· ·		: : :	! !	:		•	i :	
			;	: :	:	<u>;</u>		;		1		:	
и., 00	•	, , (	פ	1		:		•	! !	·	:		
_			i	· •	:	:						;	
2.00	; •		:			:		; ; •	:	:		:	
, ,	<b>©</b>			! :	:			: :		:			
60	#10-8	SANDS	SW I			<del></del>	<b>.</b>	:		! :		:	-
J,	.00	0	. 20	. 0	.40	0	.60	· 0	.80	1	.00	. 1	. 21
. : i	;	•				IME I				;	; • · · · · · · · · · · · · · · · · · ·		•

A Comment

77887.2

More division 1

7.4kmm



Γ									;		1 1			
!			, , ,		I HH	TESAN	DSDA	TA.RU	N2	B.LEG	-1			
`	3.00			REAL	TIME	1	RTE O	F THE TH DE	CHAN FLECT	10N GE IN	THE			·
	2,00	<b></b> - ·			·							! :		
	1, 00			; ; ; ;		!					-		-	; ; ;
	0, 00	<b>,</b> #203	5-NE	D		· · · · · · · · · · · · · · · · · · ·								1
SECONDS	-1.00					-		; ; ;						
ARC	. 00		-	<b>.</b>			#2005 <b>©</b>	W33	5					
	-5.		1 + 1 1		i	<u>.</u>	; ;	0	   	:	' — !	<del>!</del>		
	-3.00	· - ·	: :			· !		<u>.</u>		i :	<b>.</b>			
:	- <u>4</u> .00		!			• • •		· · · · · · ·		<b>.</b>	· · · · · · · · · · · · · · · · · · ·	i 	<b></b>	, <u></u>
:	. 00				† •				:	:	1		! : <b>n</b> Ol~BE	,
	0	,00		.10	: 0	. 20 T	TME I	.30 N HOU F-1.	RS	40	0	.50	0	.60

A STATE OF THE PROPERTY OF THE

والمتريب أسقاهم مقالة

	1 1	1 , 1			HHI	TESAN	DS DA	TA, BU	N - 8	A,LEG	-2	1 1	,	
:	0.00	3 "				ESTIM ORTH		F THE			THE		·	:
	. 00	0		!	,							•		;
:	۲ <u>٠</u>		- -	O #	2035 <i>-</i> :	NED	· · · · · · · · · · · · · · · · · · ·		<del></del>	· - · ·	<b>;</b> . • • • • • • • • • • • • • • • • • • •	• •	. · :	- 1 :
	-4.00		: : : : .	•	 0						• • •	· i		
:	-6.00		:	;	9	<b>0</b>		,			•			. 1
SECONOS	9- 00		! !		, <u>.</u>		0						-	
ARC SE	-8.0	<b>.</b> =.		 :		: : :		· · · ·		;	: 	· • · · · · · · · · · · · · · · · · · ·		
	10.00			,     	 		<b>.</b>			: 1 :	1			
:	-12.00 -	•	; ! ·									! !	•	
:	-14.00			: -	• • •		; ; ;	· • • •	• •				1	, , ;
	6.00	.00	ı	,		:	; ;	; <b>0</b> #	2018 <i>-</i>	HUEY	, !			
!	10	.00	0,	50	1	. 00 T	1 TME I	.50 N HÐU		.00	2	.50	3	.00
1					L		igure			 	!		<u> </u>	, , , i

1				1114	TERON	he no	TO 811		6 150	3		
				wrs.i.	TESAN	אם בא	n.HNU	и — д	D.LEG		:	
. 60. 18.00		. <b>.</b>	! REAL	: TIME	! ESTIM	: hte: o	i F THE	CHAN	: IRF IN	THE	: 	!
•		-	i Enc		DRTH	: -	TH DE			;		:
	;			: i			i !	:		· .		:
8	:					· ·	! 	; ;	! .i	• •	:	
۲ο					:	•	!	•		7	:	1
			4		1 1			:	; ·		:	
8	;				:	: !	!	!		i		
=		· · · · · ·			:	i	!' '' ;	·	T	:: :		
	- +	,		1		: -	: • • • •		:	;	-	; 1 -
8	•	•		•	:	! !	1				1	i 1
~~~	•					: =	· - · · · · · · · · · · · · · · · · · ·	: 			; <b>-</b>	
	:	:	į	:	: ;	ļ	; !	;   	1	4		
00	8 8			: !			! !	<b>!</b> :	:	:	:	
- <b>4</b>		<u> </u>	: ; <b>c</b>					ļ i	i		<del>-</del>	
#2018 	-HUEY		· •	į		!	; ;	!	<u> </u>		ļ	
.00	•	Ø		:		;	:	1	i	!	•	
				ф , <b>ф</b>	· · · · ·	!			!			
	,	•				MED		i !		i	•	!
.00	. !	!	r.	1	2035 <i>-</i> 9	NED.		•		· !		: .
<del></del>		•			; <del> </del>	+	: **	•		•	. <del>.</del>	
	:	: !				•		•		•		:
8	!	 			C	ם i		•				!
-6.00				· · · • · ·		: : ***********************************	,	<u> </u>				4.
	,	ı		:		0						
00			i	:		' 		•				
	· · · · · · · · · · · ·	· • • • • • • • • • • • • • • • • • • •	<del>4</del>	<del></del>	 	<u>(1)</u>	#200			· · · · · · · · · · · · · · · · · · ·	<del></del>	
'0	.00	(	.50	. 1	.00	1	. 50	. 2	. 00	2	2,50	3.
	:				•		N HOU			:		
	1	•	1	i !	F	jigure	F-1.	14	:	!	!	1

, risk<sub>a</sub> knige <del>ada</del>#

:	•	٠:		шыт	! !TESAN	ns ne	TO BL	N _10	) DA.LEG	2	,	
00			•		LICOMN	DJ UN	! !	11		!	• .	:
8.7	-		REAL .		ESTIM NORTH	: ATE 0: ⊢ SQU	: F THE TH DE		NGE IN TION	THE		
7.00				: 		!		: : !	1	• •		
				!		!	! !	;				i ,
6.00	:			 							· :	; ,
			•		,		; :		:	:	1 .	!
5,00	•			! ! ! !	<u>-</u>	i :		. •		i i	i .	•
				• -	•		; :	: :	:		: . •	#2035~ <b>NE</b>
u, 00	!		; ;	: :	; ;		; ! !		<b>.</b>			
7	. :			:	; ;	•			!			<b>!</b>
3.00	•				,			; !			<b>}</b>	<b>i</b> •
m'T	,			!	; ·		·	<del> </del>		·	· • · · ·	
	:			: :	: • •	j 1				:	;	· :
2.00	- ;			; ·	<b>1</b> #2	004-x	-335				•	
	. !					,		: !		:		•
00	•			•	:	!		:		<b>!</b> :		:
			œ		,	:	t	1	:	:		
8	#200	<b>o</b> 1-BE/	ASLEY						,	:		
o. do .			<del></del>	<del>:</del> ! (	50	0	. 30		0.40	C	. 50	0,60
1	!		;	: <b>!</b> :	*	: <b>IME I</b> Figure	N HOU	;	1		ł	•

			,,,,,	rna		70.011		<b>D</b> 1 ~ ^				
ο.	:	ļ.u <u>-</u>	;.WM17 ,	IESAN	ps da	in.Ku	י י	B.LEG	-2	 :	- :	
9	÷	REAL	TIME E	ESTIM	ATE OI	F THE	CHAN	GE IN	THE			
			NO	HTRE	sou:	TH DE	FLECT	ION	;	ı		
0	-				; ;		:	: !	:			
7,00				•					, -	·	:	
	!	<b>:</b> :						!	!			
00	:		:						:		: :	•
6.	. :	• • •	1		; :	: • • •		; ;===================================	:			-4
					1	: 			,			:
00	;	•				İ		1		:	:	
· ·	· · · · · · · · · · · · · · · · · · ·			 #20 <b>2</b>	1-K-3	34		<u>.</u>		, . <u>-</u>		•
	į	: · · · .· .	1		0	: : 	! ] - ·	! -	:			:
00	;	: 1	:		1	© ©	Ì	i .	:	ŧ	! !	
7		· · · · · · · · · · · · · · · · · · ·		0	<u>.</u>			† 	1 -			
			0					!			•	1
00			• •			: 	1 	:		•		:
3.		en en	<b>'</b>		<u> </u>	;	Ø	<u> </u>	:			•
	1	•			;		<u>i</u>		:_ <b></b> #	2018-	HUEY	
2,00			; ;	_			· .		. <u> </u>		. i	
,,		·	:		:	1				:		•
0	:				!	·· •		<u>.</u>	:			
1,00		<u> </u>	7			,			· -; ·		<u>.</u>	
i		:	•	!	;   		:			:	:	
00	<u> </u>			!			: :	:	:	1	!	
	#203 .00	35-NED —— 0, 20		.40	0	. 60		80	· 1	.00	: 1	
	· · · · · · · · · · · · · · · · · · ·				THE I		!	•			. :	
	; ;	;	•	ŀ	igure'	F-1.	16	1	;	<u>.</u>	1	

\* \*\*\*\*\*\*

1

.

。 Manager Andrews (1995年) Andrews (1995年) - 1995年) - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年

					144	TESAN	os DA	re. Ru	N -10	A, LEG	-4		
	20.00			REAL T		EST 1 M	ATE O		CHAN		THE		•
3	14.00			· ·			· · · · · · · · · · · · · · · · · · ·		•		· · · · · · · · · · · · · · · · · · ·	<b>8</b> 0	#2035-NED
	12.00			·	m. · · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	; ; ;		. <b>0</b>			·
	10.00	:	·			; ;		<b>©</b>	: !	• : •			:
	8.00						0	#202	2-L-3	34			
	6.00			· · · · · · · · · · · · · · · · · · ·	,	D				; ; ; ;			
	4.00			æ	i - -	·		: : !	1	! 	• • • • • • • • • • • • • • • • • • •	:	;
	۲. ۵۵	,	Ø			: 	1 1 1 1 1 1 1 1 1		· · · · · · · · · · · · · · · · · · ·	·	: :		
	00.	#201 <b>00</b>	8-HU	EY	0	.40	0	.60	· 0	. 80	1	.00	1.20
	!	- I				T F	IME I ligure	N HOU F-1.	75 17	:		:	. :

į.

----

	. c		Ċ		9	=======================================	0	- v	. 8	c	ָר מט		c	Ī
), O(	# b. 00							. 1						
; ; 	2035			: !	!		:		  :				. !	1
	-		<b>.</b> .					· • •		•	• • •	-		!
	_	,	.;-		:			. :.				R		
	10			•	· .		*		•••			EAL		, 1
:	;			:	#2(				:	:	; ;	71		
	····					•••			•		1		WH	:
٠, ا			· -;		<b>-</b> ₩				1	:	•		1	
	. 20		_ _	•,	y-33	<b>v-</b> 33		**				571 971	ESA	
			- :	.!	32	) E	#	: : : : : : : : : : : : : : : : : : :			· :		םמו	1
					,•	Œ							S	
.1	n	, . <b>.</b>				- ····	1	-			<b>.</b>		DA:	1 1
	. 31		:			.,			: : :	, 1	· ·		7A.	1
100			-			. O			· .				.filu.	
		i i		4	! !	 ! !	!	! :					<b>I</b>	į -
U							•				,		10	
, 41	: : 41	:	•	•			;	! - !		. <del>-</del>	 !		B.L	:
J		-	,		<u>-</u> -	•	1						EG	
		:	1	: -	: : : :					*	· ·	7 F	-14	
U			-				-	<del>-</del>				Ε		
; <b>;</b>	, 5			:	: : .				#	· .	:	•		
	-							•	200 200	. <del>.</del>		•		
	•				:	****			: ::01-				; · ·	1
			-						BE		i.			
Ų,	n		:			•	:	į	AS		į	•		:
υU	<u></u>							,	LEY		`( ( <sup>6</sup>	٠,		<del>.</del>

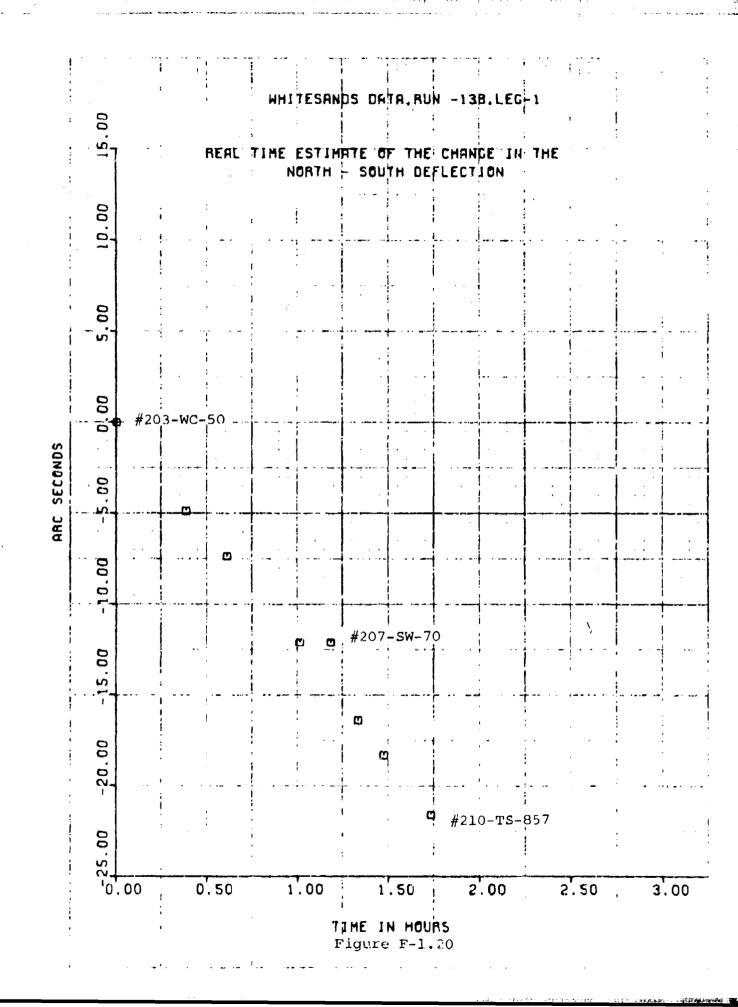
CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR

P. 4-1 . . . . . .

ない ない

		1	тни г	TESAN	DS DA	TA.RU	N -13	A.LEG	-1			
6.00		REAL	TIME			F-THE TH DE			THE		·	-
ų, 00				· ·	! · · · · · · · · · · · · · · · · · · ·					: :		- <del>-</del>
2,00				· · · · · · · · · · · · · · · · · · ·	i .			· : : :		; ; ;		;
00.00	J "	-OASIS									•	
-2.00		0					: ! ! !					
-4.00			. :	. <b>.</b>	: ! #202 <b>-</b> \	               	AST	RO		· · ·		; . !
-6.00			!		: : :	O		_	! 		; }	
-8.00			;	· :	: :		•	. • . •	:			;
10.00			:				<u>;</u>	(	#20	3-WC-	50	
10	. 00	0.20	C		IME I		hs .	. 80	1	.00	1	.20

.



	7		1						1					
	1			-	HHI	TESAN	DS DA	TA. RU	4 -14	IA, LEG	-1	•		
ر د د		;	-	REAL	TIME N	estia Estia Idrih	ATE TO SOU	F THE	CHAN	: IGE IN	THE.			
0	'-l -			···	· ! ! !		: 	:		s Say and an an	:	e e e		. <b>.</b> .
Ċ			0		•									
	#2	08-	BAS:	IN	: !		:	:	:	; =			: : :	•
•	00.1-	!			-	, see - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100				-			•	• • •
٠. ر	00.7-			•	: :	<del></del>		-	-					
:	3.00			c		. ,					=	-		1 1 1 1
! ! :	<u>,</u>	:			-		:	<u>;</u>	: :		;	1	:	i
. (	00.4-	:				; <b>O</b>	#205 <b>-</b> '	TS-20	; 1,-2			•	•	1
. (	-2.00	1	-		;			<b>©</b>			:			
	0.0								!		<b>v</b> #20	)3 <b>₩</b> C-		nger rounds
	0.0	0		0.20		0.40		ດ.60		0.80	<b></b>	1.00	1	. 20
!	•		i !				TIME Figur	IN H0 € F-l	J <b>R</b> S . 21	1			1	· :

		, 1	1	1 - 1							1 1 1 1		İ
		•		_WHI	TESAN	DS DA	TA, BU	N -1A	B.L€G	-1		•	•
2,03	,	-	HEAL.	TIME	FSY TM	HIE O	F THE	тнаи	៤៩ ស	THE		•	
	:		,	•			TH DE	:	:	4 2 2 Mag.		:	
00				1		:		!		ł, <b>i</b>	i	÷	-
6	#20	3-WC	50	·	ger <del>oom</del> een			· , , , , , ,	··	: :		: !	
and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	•			·			-	: !	<u>!</u>	! ;	i	:	•
2.00	:	:-	. CO		i		: ! ,			!	· •		
` ]			:		! <del>-</del>				*	•		: -	, •
00	; •				· · ·	: 	•	•	, :	: ! :	; !	· ·	
7-	: : ••.			· ·	· ·		, · <b>-</b> · · ···		! 			: !	: /
	:				<b>m</b> #2	; 02-VA1 !	LLEY :	i ASTRO	;	:		:	i
8	•	•		: !	!	† - 	 ! !		:	Í			
φ.		. <b></b>	! 		: :		ļ	,	<del> -</del> 	! !			i :
_	!				· · · · · · · · · · · · · · · · · · ·		: :	í	<u> </u>	: :	:		1
8.00				i i	!		1	 	! !		1	;	!
				,		•	Ø		;				
8	:	-		;	Í	:		:		:		!	
-10.00				<u>.</u>		: ;      .		i 		,	•		
	į		:					;		1			•
-12.00				1		:		: : •				•	-
7	1	I		; . <u>-</u>	• • • • • • • • • • • • • • • • • • • •			י כ י	j B #2	7 -OA	 STS		•
.00		i	•	:		· •			. π <u>~</u>	/OA	010		
<b>#</b>		·	·	 	<del>,</del>	!	<del> </del>		-	!	<del>14</del> 7 • • • • • • • •		<del> </del>
'o`.	00	0	. 20	; O	.40	•	.60	•	.80	1 1	. <b>0</b> 0	1	. 20
		,		· }		JME -I	И НОU F-1.		1	:			

· (1) 在1000年1100年1100年1100年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年110日 - 1000年11

TOTAL STATE

\*\*\*

3

1600000

10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to

والأرادات المارون والموردا والمراورة والمواجعة والمنافق والمعامل والمواجع والمواجع والمواجعة والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ والمتحافظ وال

Anticontent of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t

		-	1   1	. WHI	TESAN	DS DA	ra, Ru	1 - 3	A.LEG	-1.			
1,00			REAL	TIME	EST IM EAST	ATE OF	THE DEFI	CHANG ECT10	SE IN	THE			•
0,50		<u>.</u>		· ! ·	· · · · · · · · · · · · · · · · · · ·			· · · · <del>· · †</del>					
0, 00	0 #1-T	ULARO	SA SE	; ; ;		œ	#3-	RHODE	S				
-0.50					*				<u> </u>		· · · · ·		
-1.00	;	<u> </u>	· · · · · · · · · · · · · · · · · · ·	: • • •	† • :			- · · -				_	1
1.50			! ! ! !	• • • • • • • • • • • • • • • • • • •							<b></b> #5	-SAL	<b>C</b>
00.5-												:	· · · · · · · · · · · · · · · · · · ·
-2.50				in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	1	:	- : -		:				
3.00			:	FD	! -		,			. :			
'0	.00	C	.20			!	.60 N HOU F-2.	RS	.80	1	.00	1	.20

F. Accepted

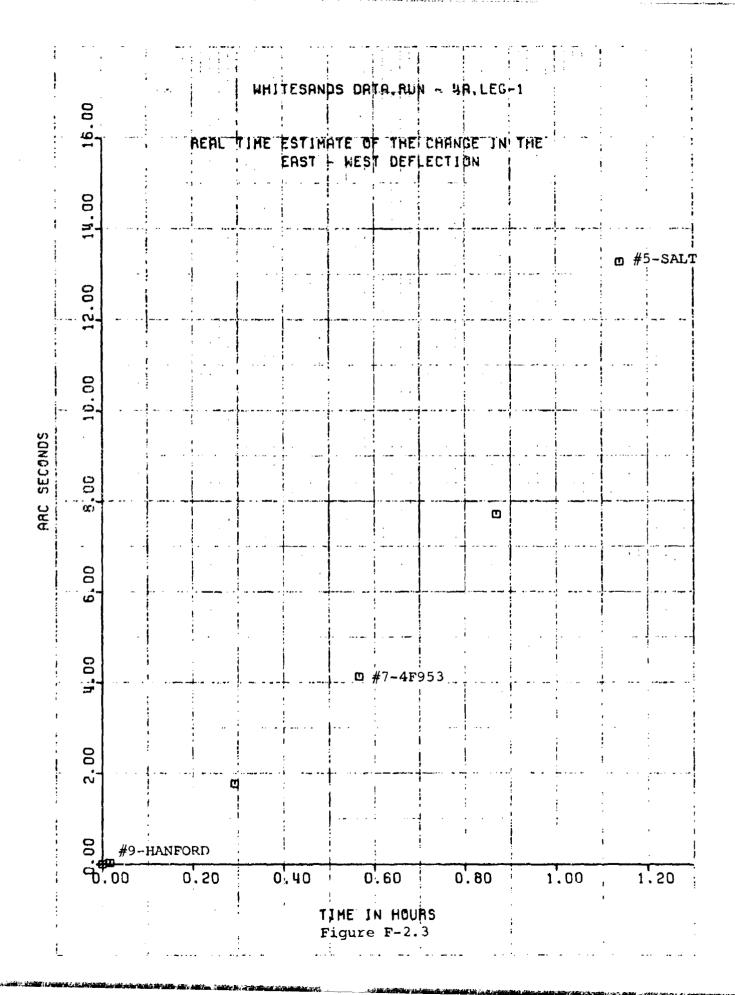
I

•		• •			******					. • •		<i>.</i>	•, .	
:		;	· !		HHI	TESAN	DS DA	TA,RU	N - 3	B.LEG	-1	<b>.</b>	· • •	
;	¥.00			<b>さだれ</b> に	 	; <b>-</b>		<b>.</b> Φ.Ων	:   	; ; per en en en	. <b></b>	••	· ·	
,	•			REAL		EAST	HTE O	T DEF	LECTI	DN PF IN	int		:	
	00	:	; ;				ii			[	· : <i>1</i>	 	,	
•	27		··-	,,,	i	' 	;		: - - 		ļ		1 	<b>.</b>
;					1		1		; !	! ! 	: !	• •		
	0.00	!			:			•	-		<b>.</b>	: - !	· ·	,
	라		· . · · · -	·- ·	i			; <del></del> -		! 	} }		•	! 
		!								ļ				
	8	•				i								; 
S	8	<b></b>				† 		<del>-</del>		<u> </u>		<del></del> -		
SECONDS	1		* · · · · · · · · · · · · · · · · · · ·					9	! #9-на	i NFORD	, , ,			! ;
•	8			·		; ;	<u> </u>	! <b>©</b>		! : :		! !		i 
ARC	9				:			0				i !		
		-			!			·		: !	<u> </u>	 !		
] ;	u . 00			·		; <del> </del>		! ! ? • • • • • • •		 	<u> </u>	 <del> </del>		
		j	ı				<u> </u>	!						
	00				•			:   !	:		į .	:	!	•
; 	2				: !		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u>.</u>	<u>.</u> !		·	:	
1		1			•					:   	: :		i .	·
; i	0, 00	#45-	SALT					!	1				! !	:
į	0	, πυ <del>-</del>	Turi		:	יייי ל <b>כו</b>	 	:	1		!		· · · <del>- ·</del>	<i>:</i> -
;	8		<b>.</b>		' • #7−	4 <b>F</b> 953				· !		:	: !	
į	0.50						<u> </u>	-		<del></del> -		<del></del>		<u> </u>
 	0.	00	· 0 ·	.50	. 1	.00	:	.50		.00	; 2	.50	. <b>3</b>	. 0
!						; <b>T</b>	JME J		•		:	•	: :	
: !			.,	, 	i .1	. يىم ئەند ت	Figu	re F2.	2	• • •	:			

1 to 169. c.4

. .....

1

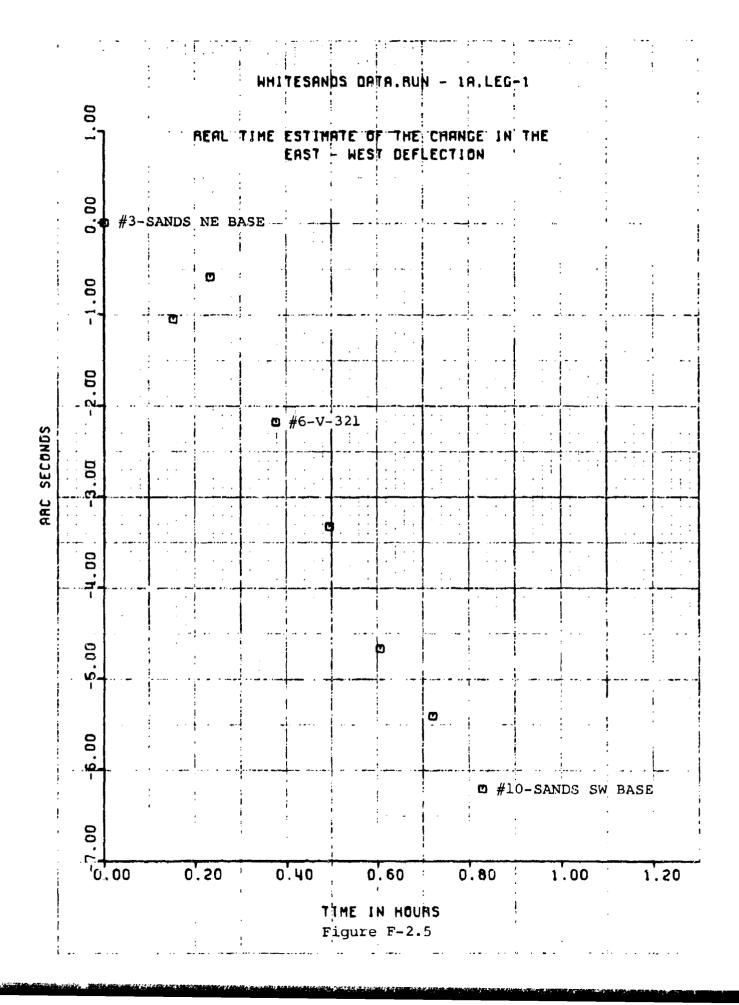


	-;	:		· - · · ·	! !	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;						<del>-</del>	1 · · · · · · · · · · · · · · · · · · ·	
	16.00		· ·	REAL	TIME	!	IDS DA		CHAN	GE IN				
	14.00	· :		; 	-	; ; ;					! -	· · · · · · · · · · · · · · · · · · ·	: : :	·
	12.00			·										:
	0.00	-				 					o #1	-TUL?	ROSA	SB
	00 1			1										
 	ω						:					:		
	6.00			! !	,	#3-RH	ODES							
	00 h	-							- ·			-		
	2,00		C			! !								
		#5-S	AL/T							-		· ·	; ; ; ; ; ;	
	<u>-</u>		· /	. 20	C	. 40	IME I	.60 N HOU F-2.	RS -	. 80	1	.00	1	20

THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF TH

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

and the second section of the section of the section of



İ		* 1 1 *		1			* +					
0			!	∃ HH.	ITESA4	ios da ;	TA.RU	N - 1	B.LEG	<u>i-1</u>	:	• •
10.00		· •	REAL	TIME	EST IN		F THE			THE		
		<u>:</u>				•		: :				
8.00			÷ ••	•				: 	, <del>.</del>			-
	i	:		:	:		•	• •		• •	:	:
0						:	: !		}			;
6.00		· •				; ;		1		:	#2001	-BEASL
		<u>.</u>			:		i i		:		; ;	•
ų. 00			•	; ;			!		:	· ·	:	; ;
	-				erframe in		· · · · ·	:		;	:	
		• •			· ·			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 		:	1
2.00		•		<u> </u>			: : :	ļ			<u>.</u>	
2				•	1							!
0		:		:				•	• · · · · · · · · · · · · · · · · · · ·	! !	. · · · · · · · · · · · · · · · · · · ·	: ;
0.00	#10-	: -SAND	s sw	BASE			!	· .	. <u>-</u> -		i	
		. <b>.</b>				:	•	<u>:</u>		;		•
-2.00		1			•	i i		, ט		:		
				·• ·		· · · · · · · · · · · · · · · · · · ·	<u> </u>		. ,	•		: ·
0		:		:				· :				:
-4.00			:	1	_	; ; • #12	-MORG	) )	. ,	ļ .		·
1		:		:	;	ψ #±2. ! '	-MORG	AN	;			t ,
. 00				:	•	ì		· ·				
9.	.00	· !	0,20		0,40	. (	60		0,80	<u>i</u> 1	.00	1.
		:				TIME I		1	1	:	1	:
;		:	; !		1	Figur	1	•	;	:	ı	• .

ومعالاهموس يوريا الأفوالكواني الاسمعاد ومديقه بدلام معدس ملك القايمه الملاطعة والمطاف الخرصية احدم بالماعد مسافعات

{ ;

-

And the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o

| ;

				•								:	
00	į		! :	HHI	TESAN	DS DA	TA.RU	N - 2	A.LEG	-5			
16.0	:		REAL		ESTIM ESST	ATE D HES		CHAN LECT I		THE	,	: <del>;</del>	
14.00	1			; ;		-				• -	•		~
12.00	1 2 3 3 3 3					-					!		
:	2 - m - 46.					-						-	
10.00													
8.00										# <u></u>	O-SAN	DS SW	BAS
	· · · · · ·									· · · · · · · · · · · · · · · · · · ·	•		! : ·
6, 00	-												- <del></del>
. 0			i 									_	:   
ų, 00	·			· · ·		 							
2,00	~ •	<b>.</b>	B						· !				
		<u>-</u> .			i : :	0	-	<b>(9</b> #]	2-MOR	GAN			! :
00 °C	#200 , <b>00</b>	1-BEA 0	SLEY	; , 0	.40	0	.60	, 0	.80	1	.00	1	. 20
					7	IME I Figure	N HOU	rs Ps	. ·				

THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P

-

Maria Salara			WHITESAND	S DATA.RU	N - 28.LEG	-2	
Elizabeth Community	4D.00	REAL	TIME ESTIMATE	TE OF THE		THE	• • • • • • • • • • • • • • • • • • •
	35.00			; ;		· · · · · · · · · · · · · · · · · · ·	· :
	30.00					,	
	25.00				_		
SECONDS	20.00						
AAC	5.00 2				#3-	SANDS NE B	ASE
	10.00			<b>D</b>			
	10	· · · · · · · · · · · · · · · · · · ·	<b>b</b> #6−V−3	321			i
	5,00	ė				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •
		<b>o</b> : D-SANDS SW B	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o				
	<b>5.</b> 00	0.20	0.40 T# Fi	0,60 ME IN HOU Lgure F-2.	0, <b>8</b> 0 85	1.00	1,20

STATE OF THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA

				HH1	TESAN	DS_DA	(A. BU	N - 8	A,LEG	1	į		
3.00			REAL-		EST I M EAST	HTE O		CHAN LECTI	•	THE	· · · · · · · · · · · · · · · · · · ·	· ·	1
2,00		· -	· · · · · · · · · · · · · · · · · · ·		1								
1,00	·	•									:	i i i	
00.70	// 2/	C C			-		! ! !		     	v delimination of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of			
00.	<b>4</b> 20 #20	         	EASLE	Y							: "		
00			i								1		
				; ;						•	#10-	SANDS	SW BA
n.		·					; !	m #1	3-EAS	Y		· · · · · · · · · · · · · · · · · · ·	
00 · j			: 	i	· · · · · · · · · · · · · · · · · · ·					:			
5.00	.00	C	. 20	· · · · · · · · · · · · · · · · · · ·	0,40		.60	•	80	1	.00	1	.20
						Figur	1	1	· · · · · · · · · · · · · · · · · · ·	. ( 		<u></u>	

distantant d

}

P. Bernand A.

	1 1	: , i		I HM	TESAN	DS DA	TA, RU	R - N	B.LEG	-1			
8.00			REAL		ESTIM East	•	F THE	CHAN		THE			: .
00.7				· • •	· · · · · · · · · · · · · · · · · · ·					:			
6,00	-			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			#3	-SAND	S NE	BASE		
5, 00					· · · · ·			; !	:	i i 		:	
00					: ! 	V-321	;	; ;		:	!		:
, n 00			· · · · · · · · · · · · · · · · · · ·	Ö			† i   _				1	i i	
- e	••	: - -	· · · · · · · · · · · · · · · · · · ·		. <u> </u>				:		j		
2,00	-	: (	<b>.</b>		<b></b>	f	· · · · · · · · · · · · · · · · · · ·				:		
1,00		<b>.</b> 	•	1 - - - - - - - - -		: - - !	<u></u>	; ;					
00.40	#10-	SANDS	s sw 1	والمراجع والمتحدث أمرج	. 40		. 60	· · ·	. 80	: :	.00		, 20
		, <b>U</b>	<u>.</u>			THE I				· .		· · · · · · · · · · · · · · · · · · ·	,

er and sure of the Description of the property of the description of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure of the sure

.

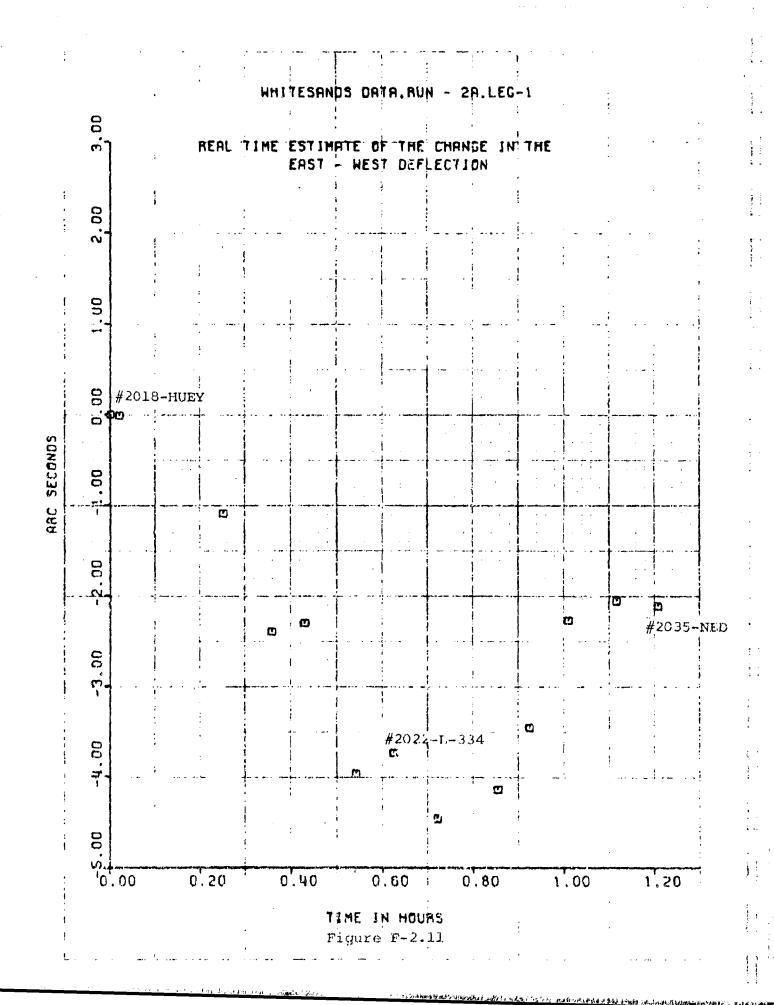
\*\*\*\*\*

A section of

STREET, THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR

Conditional

1445-1510 • Managarens



	:	:	!		IHW	TESAN	ag ed	TA.RU	N - 2	B.LEG	-1		· · · · · · · · · · · · · · · · · · ·	
:	8.00		• • •	REAL			RTE D				THE			- :
! !	7,00			· -	r	: !								
	6, 00													;
	5, 00		· · · · · · · · · · · · · · · · ·	· · · · ·		· · · · · · · · · · · · · · · · · · ·	: 					!		
SECONDS	4i, 00	,								0	<b>O</b>	#	2001-E	BEASLE
ARC	00			-		#20	05-W-1	335				:	න ව	
	.00 3.				7 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	: <b>b</b>							:	
	00 2.			<b>©</b>		*				· ! -	• •		:	:
i :	1.	-		 :	· · · · · · · · · · · · · · · · · · ·	·					{			. 1
	00. O	#203 . <b>00</b>	5-NEC	. 10	0	. 20	0	. 30	0	.40	·	. 50	0.	60
		, .		· · · · · · · · · · · · · · · · · · ·			IME I	N HOU F-2.		:				

Settler tombreiter.

 $(H(x) \oplus f(x)) = (x \oplus x) \oplus (x \oplus y)$ 

		<u></u>		:	 			<del></del>	:			
3,00			REAL	TIME	: FSTIN	ATE O	TA, AU F THE T DEF	CHAN	: GE IN	THE		
2.00					~			· , ·				· · · · · · · · · · · · · · ·
1.00	_	· • • • •										
0.00	<b>n</b> <b>n</b> #200	O <b>1</b> :-BE.	ASLEY		· ·			 	·	; ;		-
.00		<b>0</b>		,			<b></b> #2	018-H	UEY !		· · · · · · · · · · · · · · · · · · ·	: .
-2.00 -1		- <b>.</b>	1				-					
- j. eo	<del>-</del> .		! <b>49</b>	, co							:	
- n 00	#20	35-NE	<b>.</b>		о О _		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			; ! !		· ! !- !
			·	<b>O</b>	; <u>c</u>		,	,	<b>Y</b>		<b></b>	: :
'0'	. 00		.50	1		IME I	.50 N HOU F-2.	h:	. no	2	. 50 	3.00

المائيط المتحدم الصيفاء مائه يوافقها المعدود فعضاء معمداء فطور العمود ماده الاست و هفي المائي المساسة ما الدارمة المائد فالا والمتعدد المائية المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة المائدة

: : ! .

.

....

..-.....

				HH1	TESAN	DS DA	ra. Ru	N 8!	3.LEG	-5			· · · · · ·
;	2.00		" REAL	TIME	ESTIM	: :	F THE	CHAN ECTI	GE IN	THE			
;	0,00	#261	8 -HUE\ :	; 1	:					· . <del> -</del> -	:	- -	·
:	-2.00		· · · · · · · · · · · · · · · · · · ·		• ·					-	·	· ·	
:	-4.00	•	: 				!			: :	: 		
SECONDS	-6.00	<b>e</b>	٠ <u>٠</u> ٠٠٠ : ٠٠٠			1	· ·						
ARC	-8.00			; ;	1		•		:		-		
	-10.00		<b>.</b>	· ·	<del>-</del> -• ·	· • • • •		•	:	1	• •	:	
:	-12.00			-! !		(0)   (2)		t L					
: !	0-14.00	; oe	<del>y y y - y y</del> - ' bijky sagy kabusa bibana	' <b>e</b> 2035			,#2001				T		00
	U.		0.50	1		HE I	.50 N HOU F-2.	ŔS	00		.50	<b>3</b> .	00

			11:		мні	TESAN	DS DA	IA.BU	N -10	A,LEG	-2			, :
	r. 00		•	REAL	-	ESTIM EAST	ATE O	T THE	CHAN LECTI	GE IN DN	THE	•		
:	3,00			·		† • • • • • • • • • • • • • • • • • • •	-			, " , " , " , " , " , " , "		• • • • •		
	2,00	;		·				-		·	:  : : :			 !
	1,00	:		t				. *-			:			-
SECONDS	0.00	,	0	0		**************************************	:							
PRC	. 00	#200	l-BEA	SLEY	· · · · · ·		0							•••
		}			#2004 i	∙ <b>©</b> 4-X-30	55 ———————————————————————————————————			<b>B</b>	; ~ ; } !	:		
	-2.00	- !	• • • •	· · · · · · · · · · · · · · · · · · ·	1	:			1		: 1			
:	-3.00				-	:	1 3 1 1	1					: 1	· ·
;	. 00	!		:	•			, ,	, 1		· }	13	: #203!	5-NED
; i -		.00	0	1.10	Ö	.20	0	. 30	. 0	.40	Q	.50	. 0	60
	!				, , , , , , , , , , , , , , , , , , ,	<b>, F</b>	IME 1 igure	N HÖU F-2.	<b>AS</b> 15	· · · · · · · · · · · · · · · · · · ·	1		1	

i

				IHW	TESAN	ps oa	TA.RU	N -10	B.LEG	-2			
2,00			REAL		ESTIM EAST	ATE O	F THE T DEF		   	THE		•	
1,50			-	! ! ! !					: · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
00			:						· .		· ·	:	
} 1			·		· · · · · · · · · · · · · · · · · · ·	i		<b>-(2)</b>		:0     0 #2	, 20 <b>18</b> –F	IUEY	•
0, 50	<b>C</b>	) <b>,</b>			: 	!  -  -	·			* · · · · · · · · · · · · · · · · · · ·	·		
0.00	#203	o 5-NED		* · · · · · · · · · · · · · · · · · · ·			O	;	1		1 * * * * * * * * * * * * * * * * * * *		,
-0.50			. <del></del>			1	! : - <b>-c</b>		!	<u> </u>	: : :		•
00		-	; <u></u> ; <b>©</b>	, . <del></del> .	:	;			:			· · · · · · · · · · · · · · · · · · ·	•
-1.0										t Lev <del>er</del> er	:		
-1.50			i 	<b>.</b>	!	1	! . , , ,	<del>-</del>		:		· ·	
.oa		!	1	:		. <b>q</b> #2	: 021-к	; -334 :		· .	1	r	
(10	.00	0	. 20	0	.40	0	. 60	. 0	.80	. 1	.00	1.	_
	 I		 i	: · ·	, T	IME I igure	N HOU F-2,	ክ <b>s</b> 16	1	ŧ	: .	; ; !	

PLANTAL TRANSPORT

A CHARLES THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF TH

:

. .

1

Lighter . .

1:

A Commence of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

				11111	75501	ne ner	0 810	N -10A.	FC-				
	20.00		REAL	: TIME	ESTIM	DS DAT	THE	CHANGI LECT 1 DI	i In	:		:	:
	15.00		· · ·	· · · · · · · · · · · · · · · · · · ·			·		•	<u>.</u> .	:		
	10.00		: :		i =			-	!	·-· ·			
	5.00	:							}	· ·		· · · · ·	
ARC SECONDS	0.00	; ; ; #201	8-HUEY										
H	-5.00	;	0							-		. ~	
:	10.00	: : :	: 				1		-				:
	- 45.00		<del>.</del>	· · · · · · · · · · · · · · · · · · ·	! ! !	් <b>ග</b> - ග :	#202 <b>©</b>	2-L-33	4			, i ,	
	-20.00				:								5-NEI
	0	. 00	0.20		0.40	i	.60 N HOU F-2.	J <b>AS</b>	. <b>8</b> 0	1	.00	1	.20

سأعيج بأوالا المهافية المساكمين وسيقال مماعات فيمانك ماساء

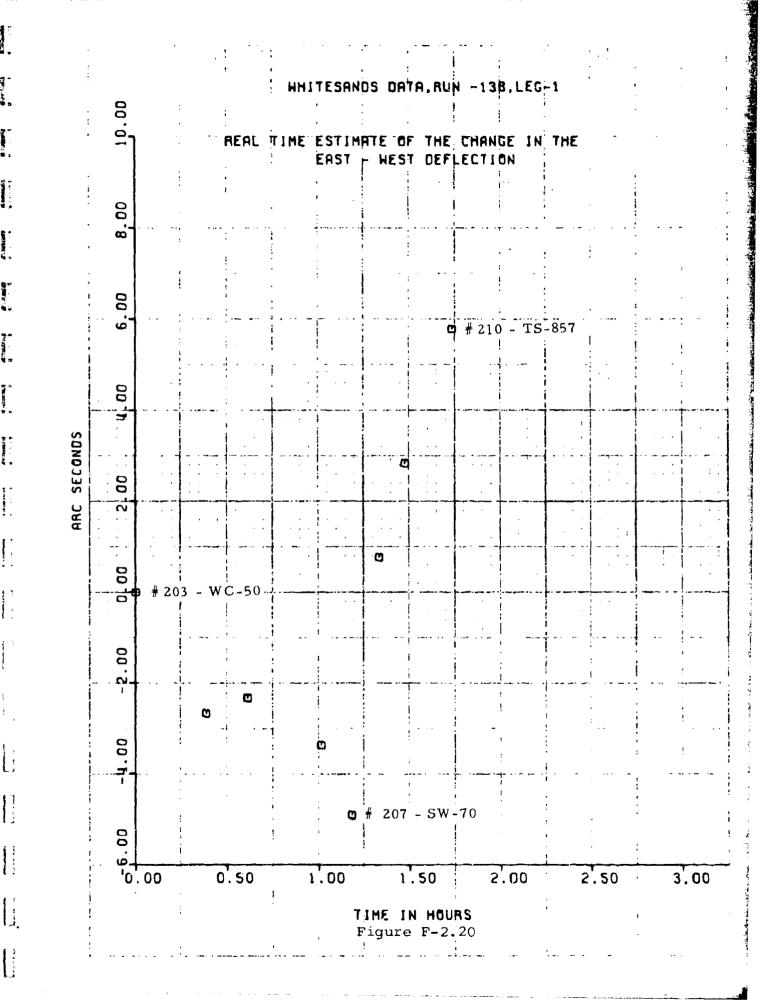
السائدي يفار ولينا فيتاب القائم أوالأستقيه يقلنس الجالف بيه القويسونة لايه الإنجامات

					IHI	TESAN	DS .DA	ra, Ru	N -101	B.LEG	ų		
	3.00		: 	PEAL	•	estin East			CHANI LECTI		: THE		! ! : 
!	2,00			·	· · · · · · · · · · · · · · · · · · ·	:  :					i !	!	
;	. 00		; ; ;	· · · · · · · · · · · · · · · · · · ·	-				-			· · · · · · · · · · · · · · · · · · ·	
,	00					i !			<u>-</u> .		† ! ! !		
507	0	#201	: 35-NEI !	i D	]	0	1				· · · · · · · · · · · · · · · · · · ·		
ARC SECONDS	-1.00			; ; ; ;		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	<b>6</b>	#2005-	-W-33				
ā ;	5.00					<u>;</u>						· -	
	•		-				:	0		0	;		
:	-3.00				·	: 		: - -	<u>.</u>	· ·		; !**	
	4.00		· · · · · · · · · · · · · · · · · · ·					· ;	:			I	;
1	- 00		· · · · · · · · · · · · · · · · · · ·	•	!	:				: - !		#20	OL-BEASLEY
1	0	. 00	0	. 10	0	50	0	.30	0	40	0	.50	0,60
}	نوست ريد دد يونون		! !				IME II						

THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PERSON AND THE PE

	:	<del></del>	<del>,</del>		ИНІ	TESAN	bs DAT	A.RU	N -13	A.LEG	-1			
	0.00	#27 - <b>©</b>	:	REAL		ESTIM EAST			CHAN LECTI		THE	:		
;	-2.00		: : : : ~	; <b>(2)</b>	•	· · · · · · · · · · · · · · · · · · ·					! !			د ا د ده سیب
	-4.00				!				  -   					
:	1						#202-Y	/AĻLE	ļ Y ASŢ	'RO	1			
: !	-6.00		:		·	:					: : :	· ·		
SECONDS	- 00.6		i ;	· : ·-	!		:	<u>.</u> .						
AAC	-10.00 -9								1					
	-12.00 -			:					!	<u> </u>				-
	-1 H. OO		: :						· 		:			· · · · · ·
1	16.00			!	i :		: -	+	; !		d #20	i	.50	
	0	.00		0.20		0.40	TIME I	).60 N HO ∋ F-2	1	0.80		.00	1	.20

A CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA



!					• '		ps da	ra, Ru	<u> </u>	A.LEG	-1			
,	10.00	• · · •		REAL		ESTIM EAST	ATE O	T THE	CHAN LECTI	GE IN	THE	• • • <u>-</u>		
:	8,00			: :	· · · · · · · · · · · · · · · · · · ·									
	6.00					•	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				<b>j</b> a #20	3-WC-	50	
	ų, 00				*	-								
SECONDS	00							9						·
AAC	0, 00					#	205~T	5-204-	-2			1		
***************************************	00 00	#208	B-BASI	[N	<u>}</u>	· · · · · · · · · · · · · · · · · · ·	<u></u>	! ! !					!	
:	-2.(		f ;	· •			<u> </u>	:		· · · · · · · · · · · · · · · · · · ·	• "	, ,		
:	00. ¥-	-		: •	<u>.</u> <u>.</u>	: 	-	; ; ;			·	• •	#	
	6.00	. 00	0	·	!	·		· ·		!	! !	·	·	
	'O'	. 00	0	. 20	0	.40 -7	IME I	.60 N HOU F-2.	hs.	.80	1	.00		.20

All and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same o

									,				
,				HHI	TESAN	DS OA	TA.RU	N -14	! B,LEG	-1			! !
00.			•	1	† †	!	: •	!	:	1		į	
9-	]		REAL	TIME	ESTIM			: CHAN		THE	- ·-		· · ·
		: :			EAST	- WES	T DEF	LECTI	ON	:			
00			•	1				•		•			
35.		·		·		· ···	[		1	• • • • • • • • •		· · · -	 ;
		: 1	•			!	<b>!</b> : :	í	1	1		:	
00			• •	:		!	! -	• •	<b>4</b>	•		;	•
30.				:	:							!	
(')			r v r	į	:	:	1	:			:	:	
0		:	÷		i :	; 1		: 	1 -			:	
25.00		:	:	· ·	!	: !			<b>p</b> #27	OAS	SIS		
Ċν.		<u>.</u>					!		;				
_				- !				; !	; -:	· 	1	:	;
00.0		!	1		į		: <b>0</b>	!	:	:	!	·	;
50	1	;	e i designation de la constantion de la constantion de la constantion de la constantion de la constantion de l La constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la constantion de la consta		;		·	<del></del>	;	<u> </u>	i		1
					!	·		: ! 	:	:	i •-	į	: :
00.		;	•	:	ī	:	:	i .		•	i		
. <del>ไ</del>		<u> </u>	· · ·	1	<b>n</b> #2	: 02-VA	LLEY	ASTRO	)		. i		
			-		i	•				1	:	ŧ .	:
10.00				3		!							
Ç,	1		<u>n</u>	<b>†</b> · · · ·						•		<del>.</del> .	٠,
		:		: :				:		:			
00		<b>:</b>	1	i	:	<u> </u>		!	ŧ		:		
5.0		; 1	- silvarian e e e	_	·				٠.				
			•		;	:				i r		•	
0		,			i			:	•	,		:	
p. 00	alla .	3-WC		<del>-                                    </del>	<del></del>	: <del>:</del>	<del></del>	: 	: <del> </del>	-	Y	·	· ·
, p	.00	<u> </u>	0.20	; (	0.40	0	. 60	, ,	. 80	1	.00	. 1	. 20
	· !	;	1	-		IME I	1		•	<u>:</u>	:	:	
	ĺ	}		!	F	'igure	F-2.	22		1	Í	į	

多年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年,1960年

		<del>, , , , ,</del>			lin I	TESAN	DS DA	TA-RU	N - 3	A.LFG	-1			
	00.00	#1-' o	TULARO	SA SE	3 TIME	THE E	RROR ATE O	IN TH	E	GE IN			•	
:	-2.00	J				!							-	
	-ų.00		· · · · · · · · · · · · · · · · · · ·		; - ! ! 	 	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				· · · · · · · · · · · · · · · · · · ·			
	-6.00		:		•	- ! ! ~	,			· · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
C SECONDS	-8.00				; ; ;	· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·		
ARC	-10.00						0	#3-R	HODES					
•	-12.00		;			:		!	· · · · · · · · · · · · · · · · · · ·			: : : :	·	
:	-14.00			:		•			· •	<b>(1)</b>		• · ·	1	
	16.69		1	•		1		! ! !	: :		* * * * * * * * * * * * * * * * * * * *	<b>©</b> #5	SALT	
!	10	.00	, 0	.20	0	.40	:	.60		.80	1	.00	. 1	.20
		<u>.</u>			· .		JME I Figure			· •				

ر. زو ب A COLOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE

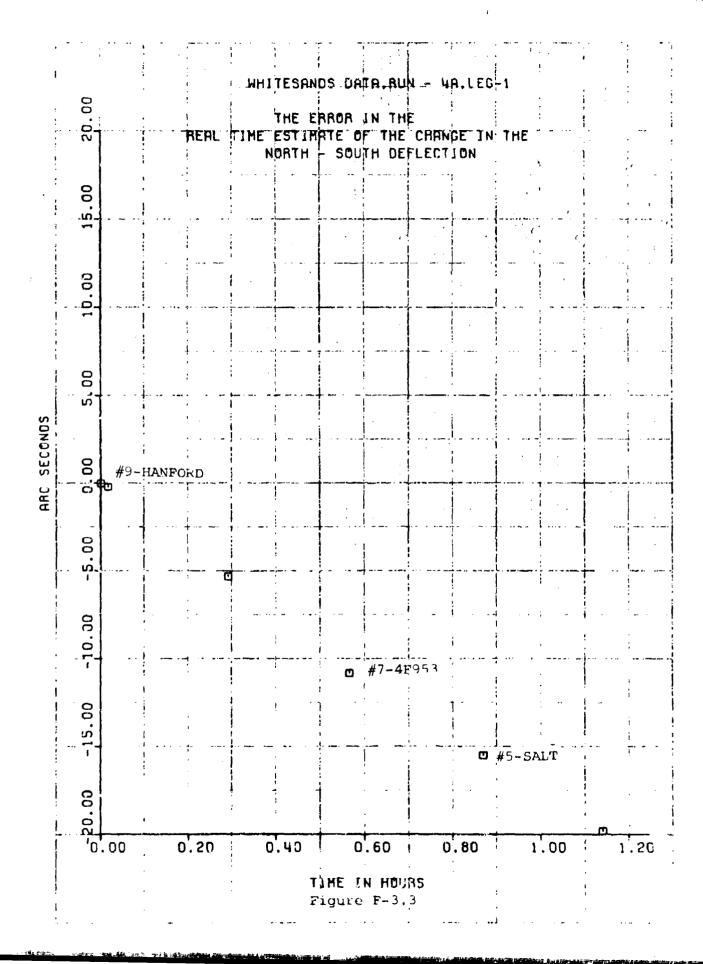
	0.00	#5-	SALT	REAL	TIME	THE E	DS DA RROR HTE D	N THE	CHAN	SE IN	:			
!	-2.00	<u>-</u>		•	N N	DRTH	- 50U	TH DE	FLECT	ION	·			
!	-4.00								-					
:	.6.00	- -												
SECONDS	3.00		es I						- -				· <del> · ·</del> - ·	
ARC	0.00			C	#7 -	<b>4F9</b> 5	3					,		
;-       	-12.00 -1					•								
	-14.00					· · · · · · · · · · · · · · · · · · ·		<b>4</b> 6.	¦ ; , #9-н <b>а</b> ;	NFORD	-	: ·		1
	-16.00	. 00		.50		. 00		.50		.00	-	,50		.00
;	Ü		:	. 30	;	; <b>T</b>	IME I	N Hซบ	i Rs	, <b>U</b> U	2	, ou	: <b>3</b>	.00

受ける (1965年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年) - 1975年 (1975年)

The state of

art was

-



	•		• •	: MH1	TESAN	i Ips da	TA.RU	N - U	B.LEG	- <b>1</b>	-		
00.00	#5-\$	SALT	REAL	TIME		ATE O		E CHAN FLECT		THE		, , , ,	
-2.00		· · !	<u></u>	;			· · ·			· .			
4.00			©		· !								•
6.00			!		1		-						, <del>-</del>
. 00					<b>o</b> #3	RHOD	ES						
0.00 -B						0						-	
12.00 -											;		!
- na. aa			1		· · · · · · · · · · · · · · · · · · ·	ļ 	:				· ! !		
16.00									;		L-TULA	!	
'0.	00		o' 30	0		ME I		RS	. 80	1	. 00	1	.20

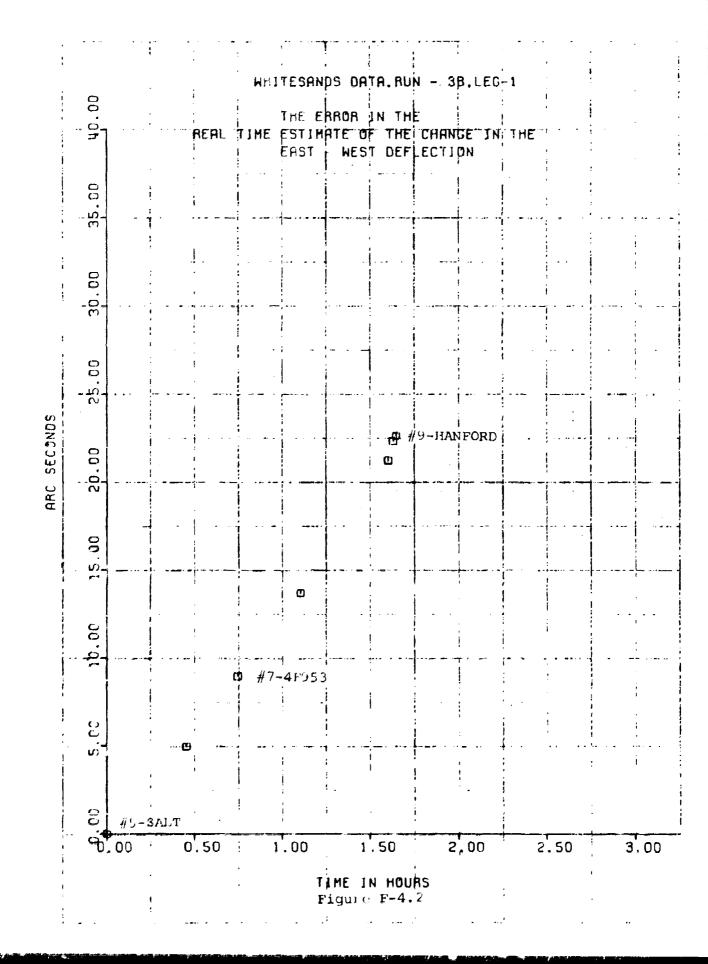
一一四一門本門 日門門田田田田田田

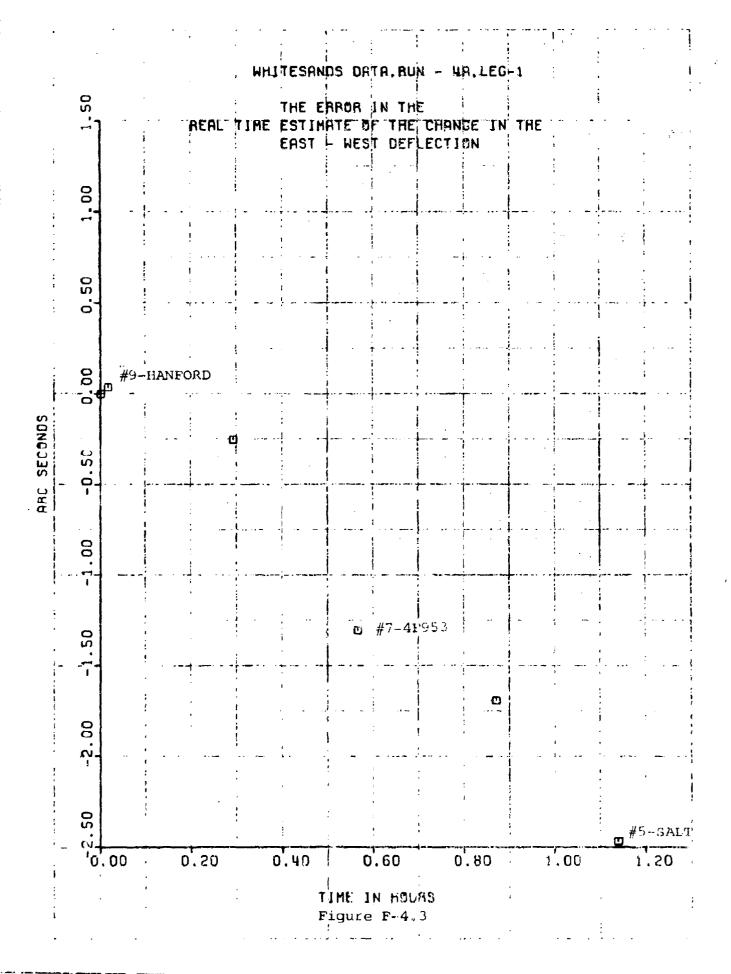
The State of the State of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the

	00			WHI		DS DATA, F	į	A.LEC	-1	
	16.0		REAL	TIME	ESTIM	RROR IN T ATE OF TH - WEST DE	IE CHAN		THE	
	14.00					: 			e ree	;
·	12,00				<b>1</b>					
رم ! ا	10.00		· ·							
SECONDS	3,00				1 1 1			i i	v#	5-SALT
ARC	6.00			•	· ;			· -		
		•	,	,		<b>∴</b> #3	-RHODE	s ·		
,	4.00		: 	, ·		· •				
	2.00			m	· · · · · · · · · · · · · · · · · · ·		i : : : -		<b>!</b>	
,	- of	#1 . 00	- TULAROSA		0,40	. a.en	. 0	. 80	1.00	1.20
1					• 7	TME IN FO	JURS		! !	

. :

Į



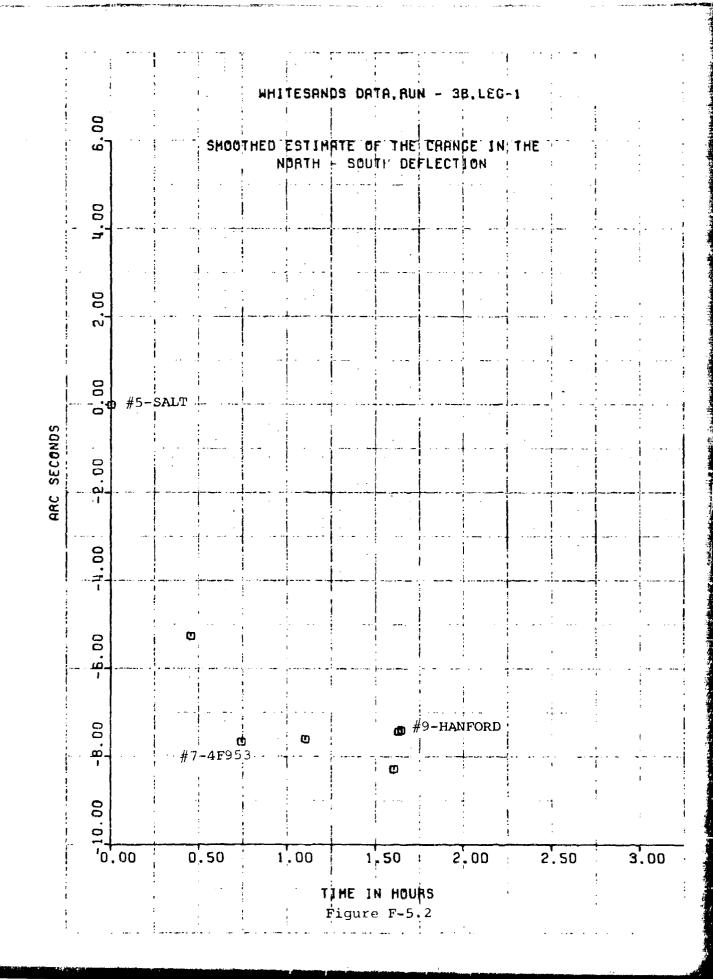


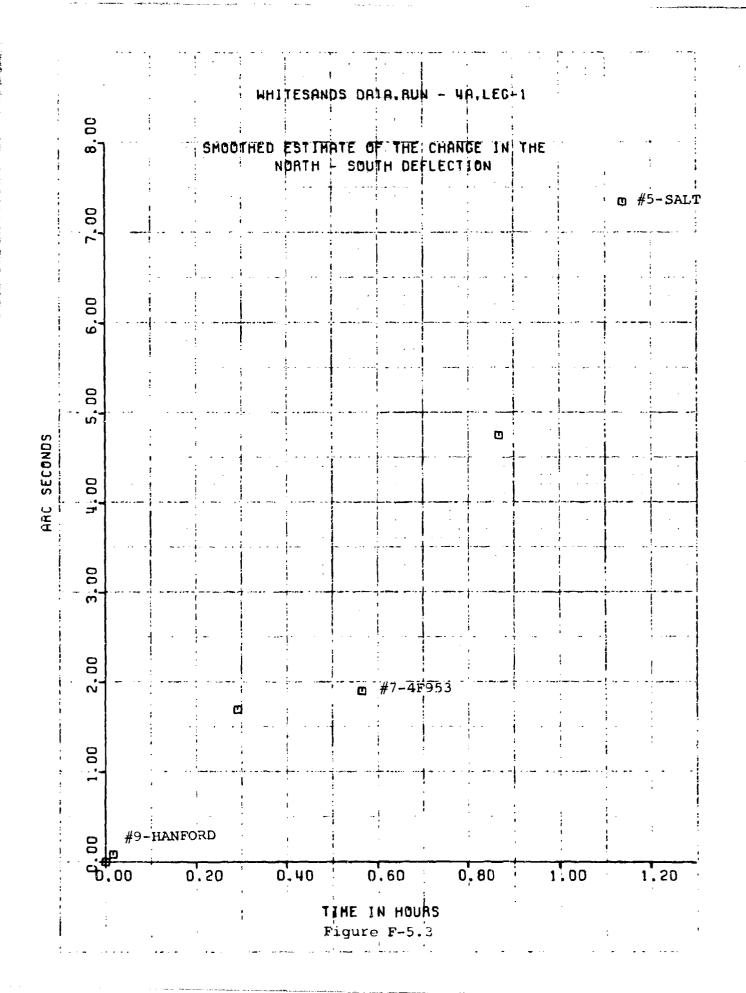
•	:	;	!	1 ( 	THM	TESAN	DS ผล	TA, RU	N - N	B.LEG	-1		• •	
:	1,60			REAL	TIME	ESTIM	RROR RTE O	THE	CHAN		THE	• . •	•	•
	유		1			<b>b</b> #3	−¤HOD	ES			i , !		i	
!		-	; !	i	: :		· · · -	*****			,		 :	;-
1			; ;	; -	! !					•			• !	
·	1.2						ļ 			1 , ; ;		<u> </u>	: 	
Í					<u> </u>	: :					-	!	 	:
	8				i i					! !	! !	! !		
											!			1
	80				· ·					į				1
	0		<del> </del>		I	1		· · · · ·			,			
		• • •						: :			. <b>n</b> . #	i-TUL	I AROSA	!
	0. 50	, , , ,			<u> </u> 	-				#		<u> </u>	<u> </u>	7
			·			i : :				; ; ;			,	1
	0 1	******	:			:   					; ; }	:	<u> </u>	
	ō		•	:		• •			; ;	: : :	,		} !	į
	20			· · · · · · · · · · · · · · · · · · ·	-				 !	1 · - · · · · · · · · · · · · · · · · ·	1 3 1	· :	i 1	
,	D	· <del>-</del> · · · ·	 		<del> </del>						· 		1	1
1		ur c	! 		1			, : !	; ! !	1	! ! !		;	:
	65	#5-8		.20	,	. 40	<u> </u>	.60	<u> </u>	. 90	1	.00	1	7
	1			1	:		I ZME T			;			,	
			; ;	; }	1 !		igure			:	:		; ;	

-			WHITESAN	DS DATA.RUN	I - 3A.LEG	-1		
1,20	;	`SMOO	THED ESTIM	ATE OF THE - SOUTH DEF	CHANGE IN		:	÷
1,00	-	• • •					;	<u></u>
0,80	:				1			i 
09 0				#3-RH OP	ODE3		n #5-s.	ALT
0†, 40				-				-
0.20						; · · · · · · · · · · · · · · · · · · ·		-
00.00	#1~	TULAROSA S	; ; ;B		· • · · · · · · · · · · · · · · · · · ·		: 14	
-0.20			! : :	:			:	
0,0,0	.00	0.20	0.40	0.60	0.80	1.0	00	1.20
				IME IN HOUF	is 1	· · · · · · · · · · · · · · · · · · ·		:

at section at

-





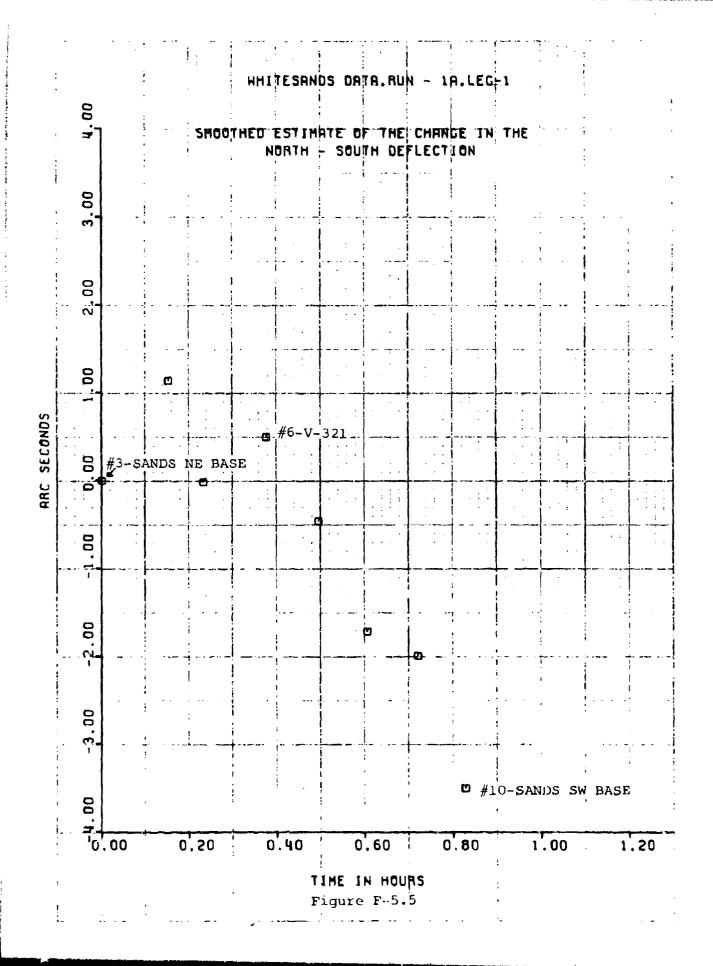
. 00		!	!	· •		; ;		N - 4	! :				
ໍ້ຕີ	, }		SMOO			ATE O	F THE	CHAN FLECT	GE IN	THE			
	:	!	! ·	•••		1				. ·			
2,50				• • -	· ·			!	-	. ,	: <del></del>		,
;	;					; !	1	•		: 1			
00	:				:			i .		, , , , , , , , , , , , , , , , , , ,	;	i	
ζ.	:			- · •·		!				i I	<del></del>	i :	
			,	· ·			: 	· -	· • ·				l ,
1 50		ir e rie rie .				 	! !		,,		: 		 !
					} } !		! ! !	ļ					; ; -
00					<u> </u>								
-													 
50			<b>D</b>		· · · · · · · · · · · · · · · · · · ·	3-RHOI   	ES						
0								1			 	! !	
				<u>.</u>	<u>.                                      </u>	<u></u>				: :	'		;
00	#5-S	ALT _	· - ·			<u> </u>			  - 	! ; ; 	<u>!</u>		:
					<u>.</u>				; · · · · · · · ·	: 			; ; 
-0.50			! :							! ! !			
			1				:						1
00			, , ,	:   		· · · · · · · · · · · · · · · · · · ·				o #1	-TUL!	AROSA	SB
	.00	0	. 20	0	.40	0	.60	0	. 80	<u>1</u>	.00	<u> </u>	.2

A SERVICE CON THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR O

Seemont, a

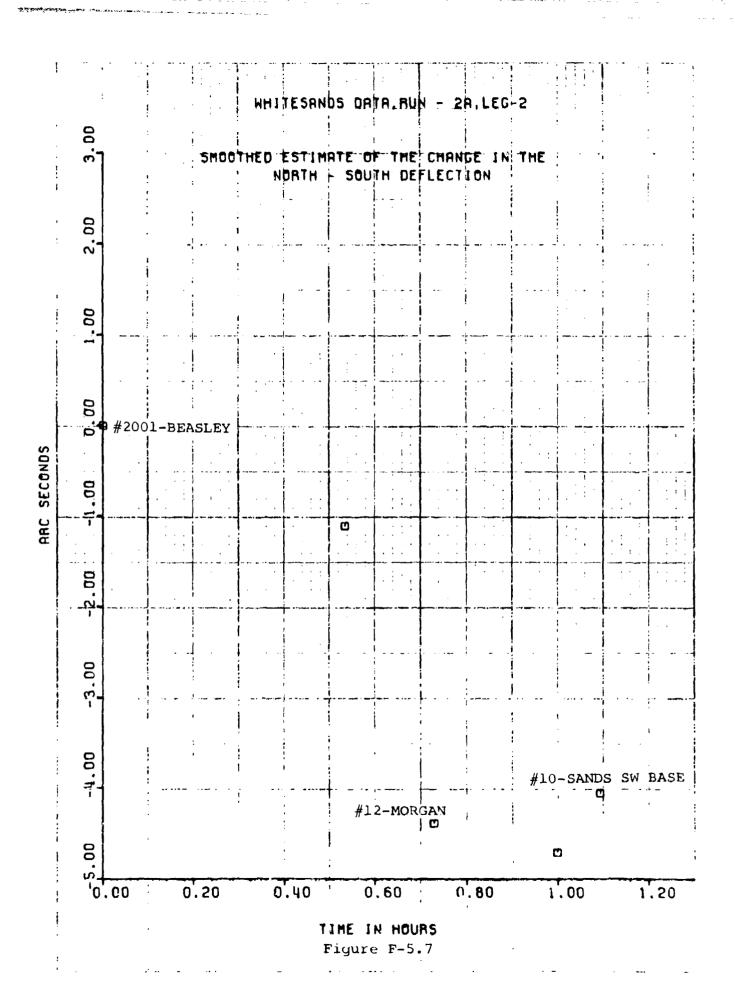
:

A property



	. 1 1			: 1									
: : !				IMH.	TESAN	IDS DA	TA.RU	N =	B.LEC	i⊢1. :		1	;
8,00	1 •	: :	SMOO	THED	Estim	  875   6	F THE	CHAI	: NGE 11	! ! THE		:	
	1		51100	N	ORTH	- SOU	TH DE	FLEC	TION	· '''E			٠
: 0		· ·		•	: f	-	• • • • • • • • • • • • • • • • • • •			•		:	
7.00						; }		· :	: :				
				:	:		:	!	:	1			
. 00				:	: ! :	* } :	i .	: ! ; <b>©</b>		1			
ပ တိ			••	,	  -  -	ļ	i		1	.i . !			
	,		i	: {	;	; i	!	!		; <u>;</u>		: :	
00		:	,	; ; ;	·		•	!	:	:	:	1	
ν, T		in the second		·	:			·—·	·		:	:	
, ap	,		•	: :		! !	<b>)</b> !	:					
go	. 1	) ( ),	• , ,	•		) ! !	; ; ;	!	i	: }	!		
<b>ച</b>						!	······································	i			#200	Ol-BE	•
					<del>.</del>		•				!	: !	
00			· · · · ·		! 			<u> </u> 	· •	:		; 4	
(3)				!		· · · · · ·		!				•	
				! ! !		! !		i		i		i !	
2,00			<b>-</b>	: -	; ;	<b>p</b> #12	-MORG	AN -			-	-1 -	
		<b>i</b> !		• :		1		,					
00		•				í		•		;			
						i	•	ŭ.		:			
,	#120	• • • • • • • • • • • • • • • • • • •	Cui T	; 				t					
00	/	SANDS	SW E	; ; ; ;			-						
9	.00	0.	50	0	.40	0	.60	· (	0.80	1	00.	1	i
1		;			1	: ' <b>JME 1</b> Figure	N HOU	<b>PS</b>		:			
* i		1		i	i <b>I</b>	Tigure i	: F→5.	.6 1		į	!		

A CONTRACT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF



				IHW	TESAN	DS DA	TA.BU	N	2 <b>B.</b> LE(	5-2			
מרח	-		: : : รหฮต์			ATE TO			NGE 11	THE		i i	
3,50	<b>-</b>			· · · · · · · · · · · · · · · · · · ·	·	!			#3-	SANDS	NE B	ASE	÷
3,00	·		} : :	4		<u> </u>				1		•	
2.50			: :	Q	#6-V	; /-321   	· • • · · ·		· · · · · · · · · · · · · · · · · · ·	! ! 		•	
2.00		: !									· ·		-
. 50			: :	3		0	: : : :	1				!	
1,00		1 1 1 1 1		: :						-			
0,50	-		: • • •	!	,	: !	-	! 	•	· ! -:			
00	<u> </u>	SANDS			·								<del></del>
₽,	.00	' c	.20	9	, 40 . T	IME 1	N HOU P F-5	1	0.80	1	<b>. 00</b>	1	. 20

estationestatistis tienes and the second consequences and the second second second second second second second

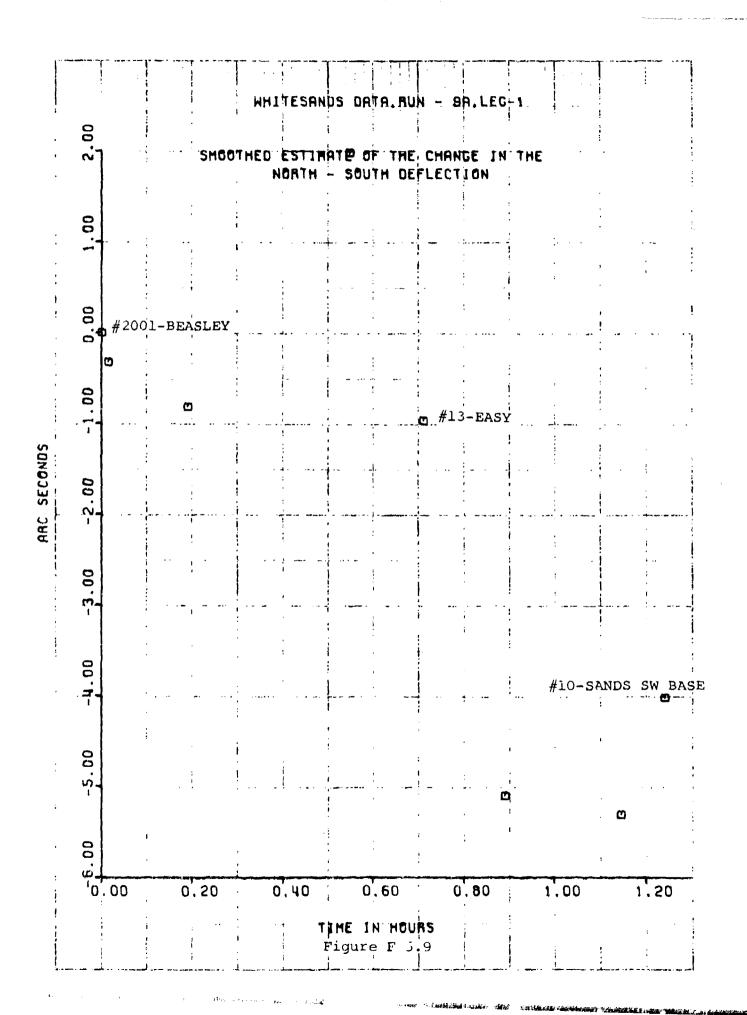
**乳酸性がある (動物・物質・分析・の)では、のでは、 中の影響・音楽物・ない こうかい こうしゅ こうせい おおご ながら 最高して 人間をごう ちゅうこうせいかい しゅうじゅうかい こうしゅう** 

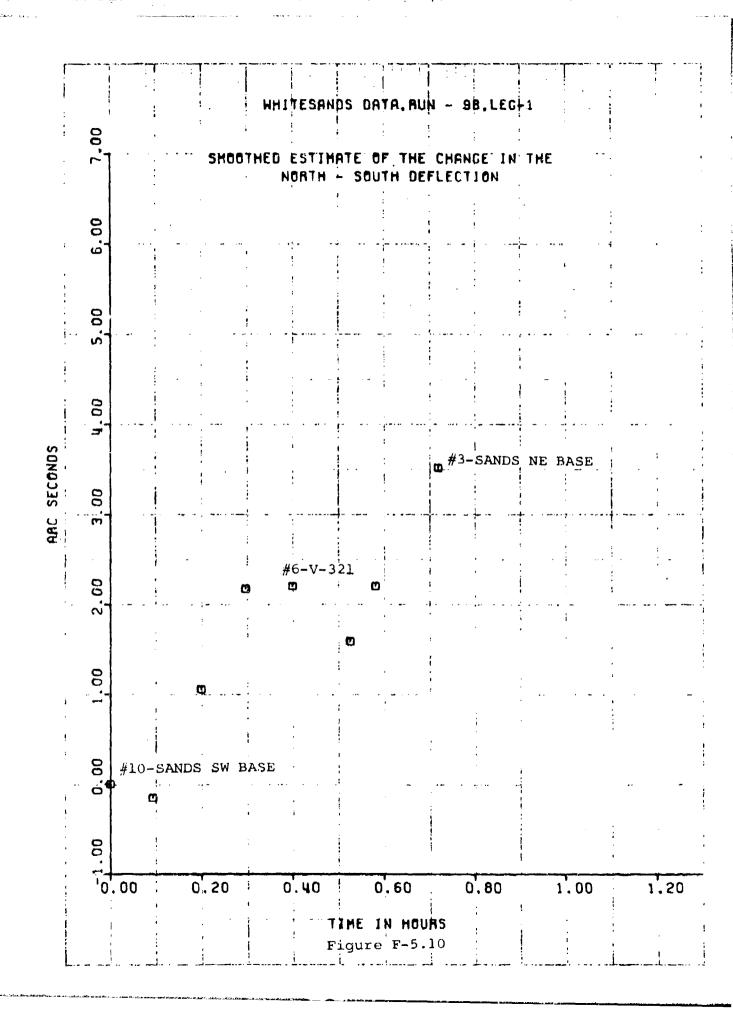
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

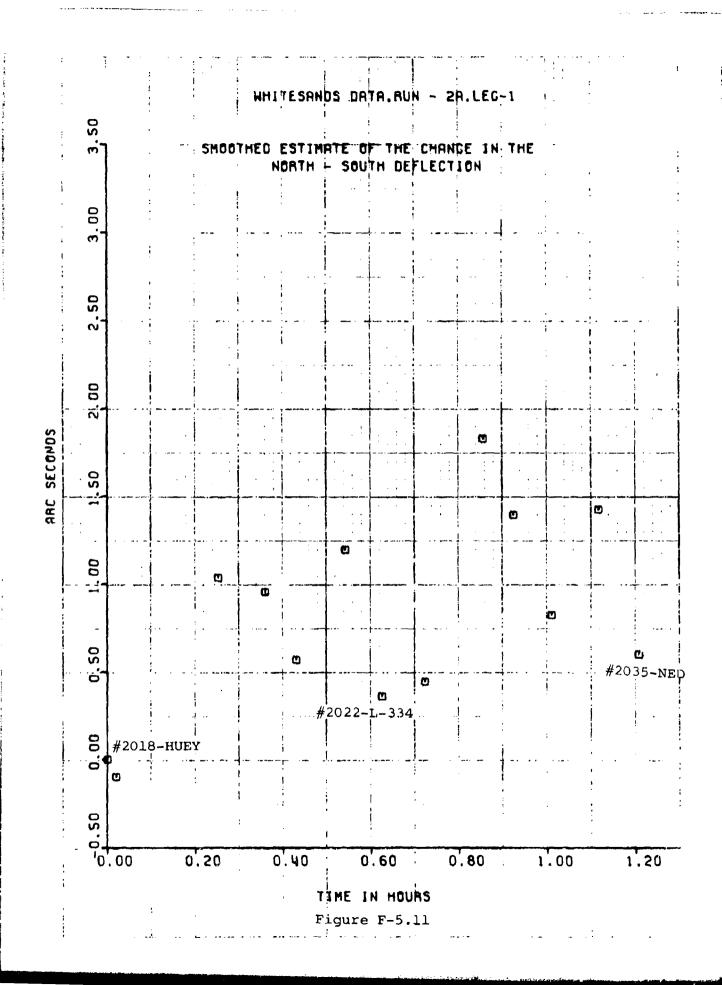
Name of the second

Control of the same

The state of

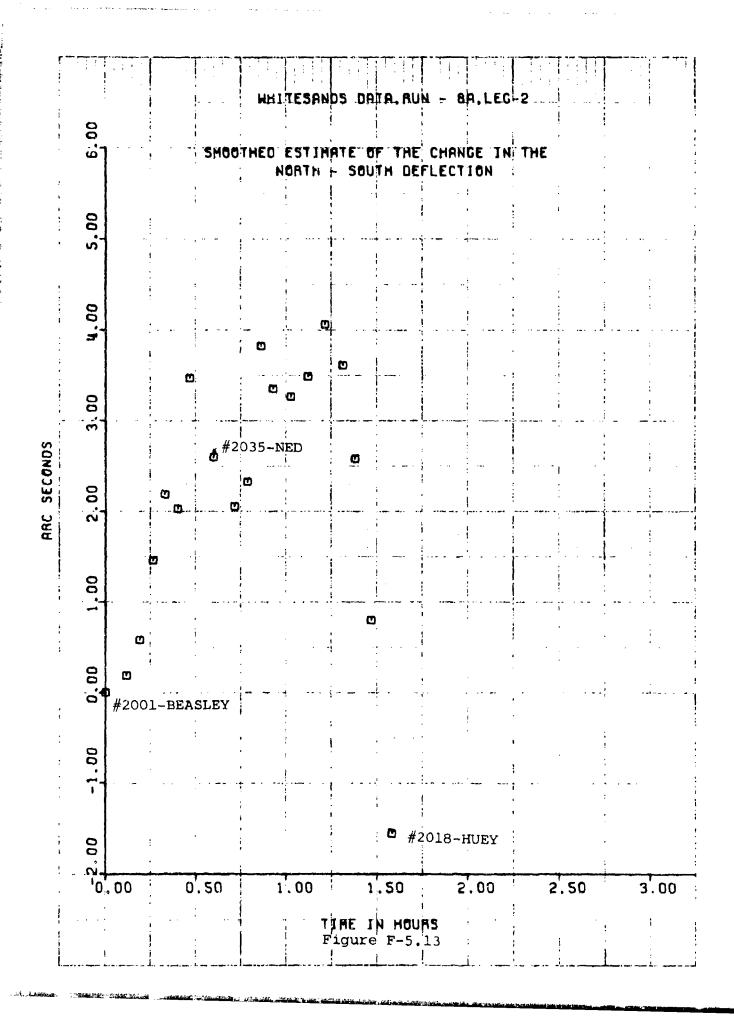






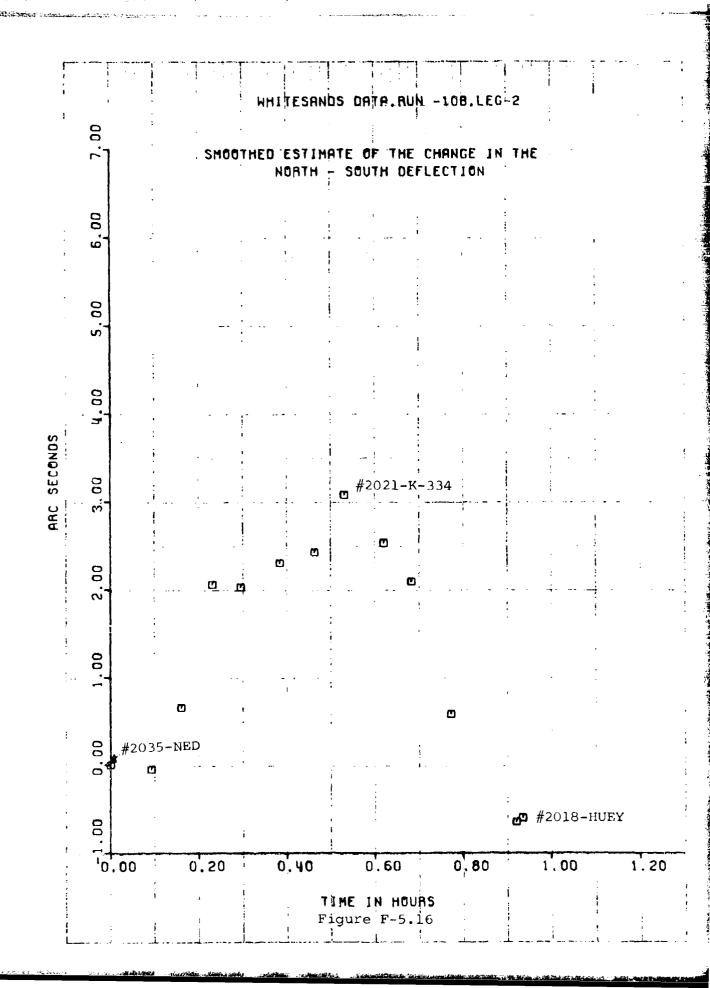
2.50					: 1					:	. <u>.</u> .	
5.00	:	· .	· ·			· · · · · · · · · · · · · · · · · · ·						
1.50					-				0			
1.00	·			#20	05-W- 0	335	{ ! ! ! !			#20	<b>o</b> 001-BE	EASLI
0.50	•	, ; ;			· · · · · · · · · · · · · · · · · · ·	!		O	: : ! !	"		
00 #2.0	35-NEC	)		,	!		·					

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s 



•		!	!	ині	TESAN	: bs o	ATA.R	UN -	8B.L	: EG-2	; ;	:	ı
4.00		· :		HED	ESTIM ORTH	ATE	! OF TH			IN TH	E		
3,50		,	0	<b>o</b> .					*				
3,00	•		:	-	<b>C)</b>	: !	:		<b></b> .				
2,50		ഇ. ഇ		<b></b>	NED	: : : : : : : :		:		:		- i	
2,00	œ	) (D	· · ·		•	0	; , - ,		· · ·				
1,50	<b>©</b>	0	:		:			01- <u>I</u>	BEASLE	¥			:
1,00		:	:	-		; ; ; ;	t:	1	·			,	
0,50			-		 -								
00,00	#201: 00	8-HUEY <b>0</b> .	50	1	.00		1.50		2.00		2.50		3,
		· · ·	i				<b>IN HO</b> e <b>F-</b> 5				b	: 1 : :	

and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o



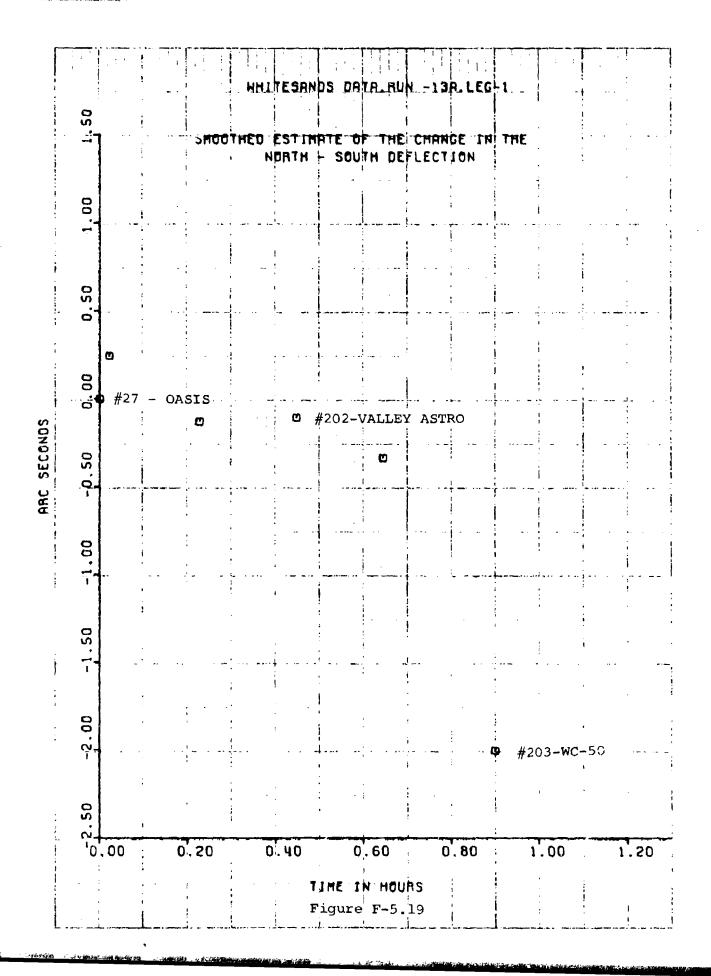
		i		'!	1				1 1		1 :		
13.00	- i		SMOO	THED	est i m	DS DA HTE D		N -10 CHAN FLECT	GE. IN	<u>!</u> !			- - - · · ·
2.50	;				·	•			<b>-</b>		; :	•	
00	! - !				:	<i>"</i> …	-		<b>.</b>			•	
50 2						<b>O</b>				-	<b>p</b>		
1,5				<b>©</b>			U			0		:	
1.00			œ	<u> </u>	<b>O</b>	O	#202	2- <b>L-</b> 3	34				· · · · · · · · · · · · · · · · · · ·
0.50	1			· · · · · · · · · · · · · · · · · · ·				- · · ·				#203	5-NE
0, 00	#201	.e. hui	EY		:- <u>-</u>	-	·				· ·		
-0.50	:				·					: :		:	
00.		0				;   			. · · · · · · · · · · · · · · · · · · ·				
0.	00	0	.20	0	.40 T	O IME I igure	.60 M HOU F-5.	i	.80	1	.00	1	.20

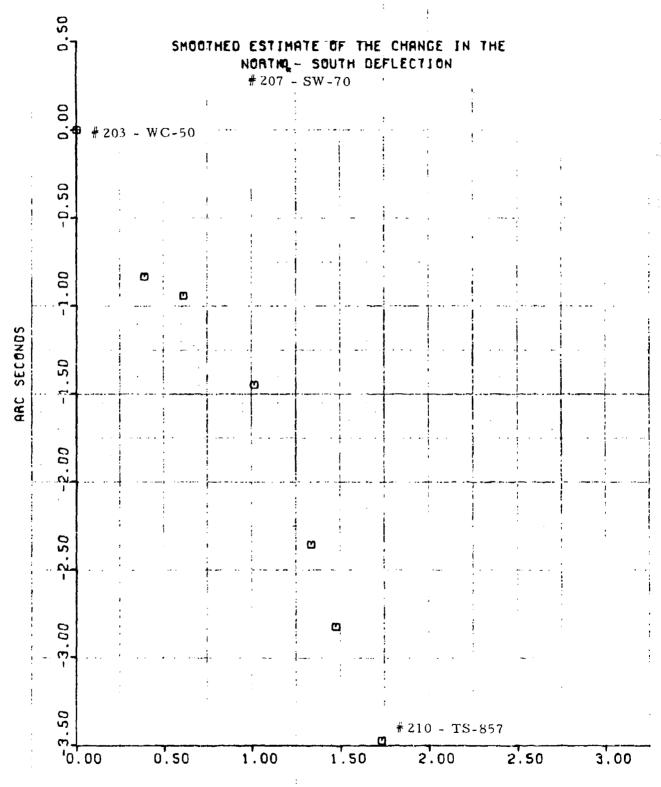
And the second

	;	:	: WHITESAN	ps pata, su	N 10B, LEG	<b>եկ</b> !	:
1,60		SHOO		ATE OF THE - SOUTH DEI		: THE	
1.40				<b>n</b> #2005-	-W-335		
1,20	•		!		; ; ;	: ·	:
1,00			! ! !	; ; ;	: :	<b>D</b>	<u>0</u>
0.80	}			<b>.</b>		:	#2001-BEA
09.0	; ; ;		1				
0,40				! !	• :		
0,20				1	· '	: : :	:
00,00	#203	5-NED	0,20	0.30	0,40	0.50	0.55
υ,	UU	0.10	•	U.3U IME IN HOU igure F-5.	•	0,50	0,60

The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

Mary No. 1





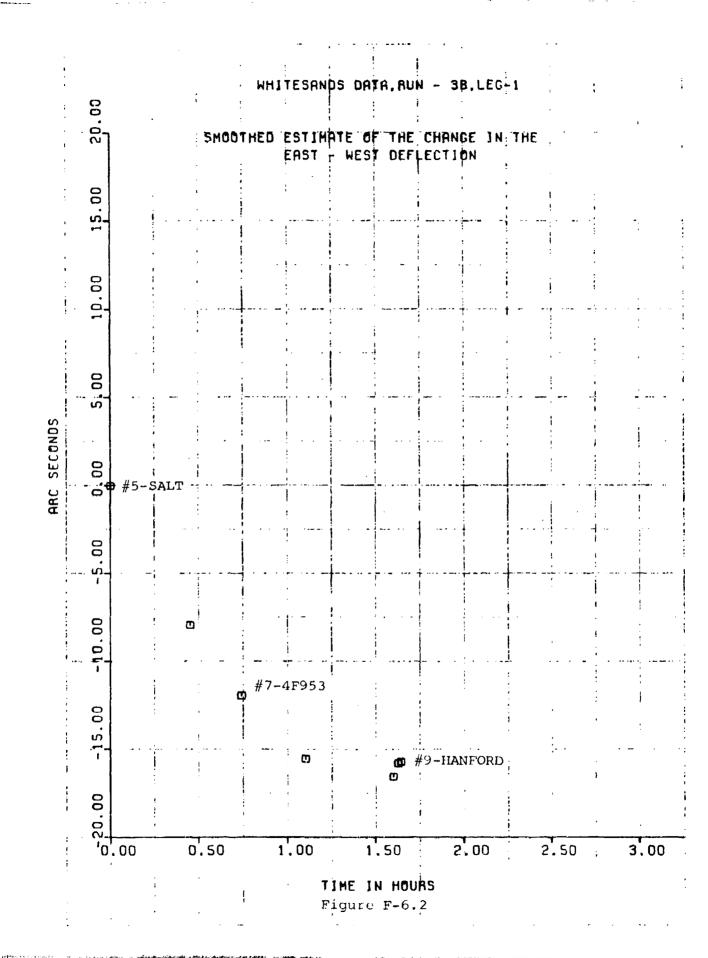
TIME IN HOURS
Figure F-5.20

<u>{</u>	!		WHITESAN	DS DATA.RUN	-14B.LEG	-1	
٠	ų. 00	SMOO		ATE OF THE C - SOUTH DEFI		THE	•
;	3.50				• • •	:	· · · · · · · · · · · · · · · · · · ·
:	3.00	:	: : : • • • • • • • • • • • • • • • • •		:	i : :	:
S	2.50	#202-VALL	EY ASTRO	0	: : : : •		
ARC SECONDS	2,00				ற் #27 <b>ற</b>	-OASIS	
	1.50						
:	1.00		: 				· :
	0.50						
!	0.00	0.20	0.40	0.60	0.80	1.00	1.20
			1	ime in Hour			

TRANSPORTER TO THE TOTAL TO THE TOTAL THE TAX TO THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE T

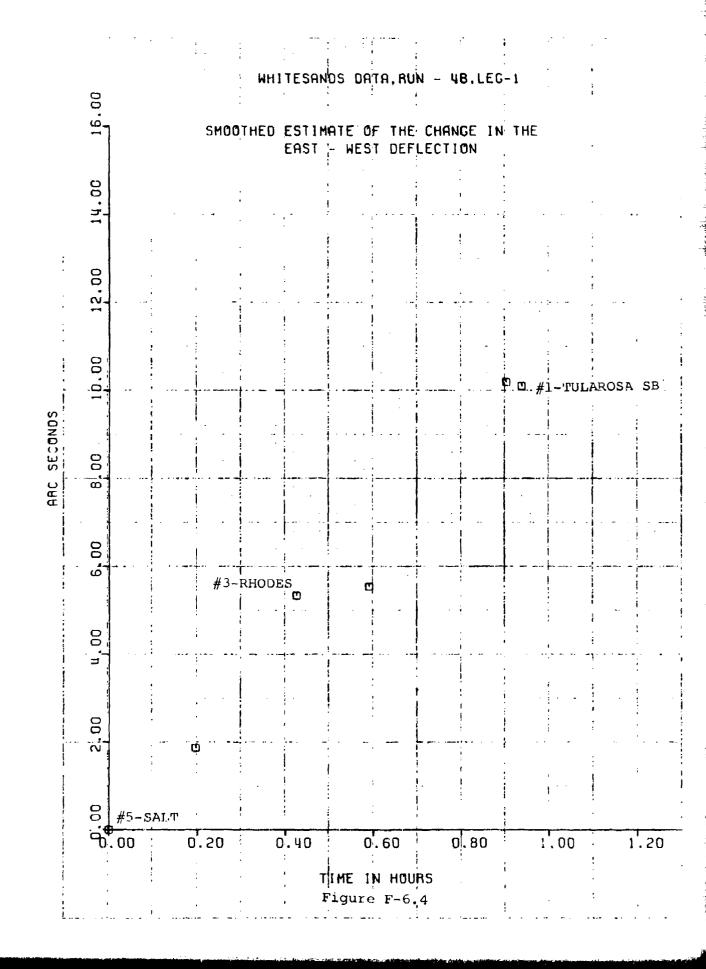
. . .

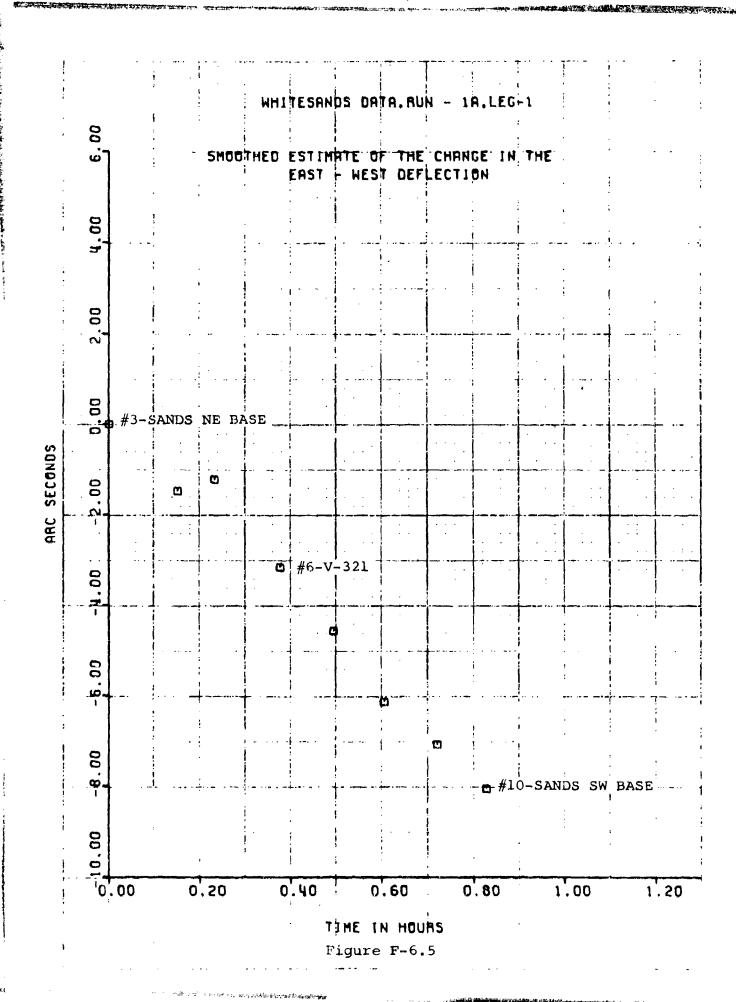
A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA

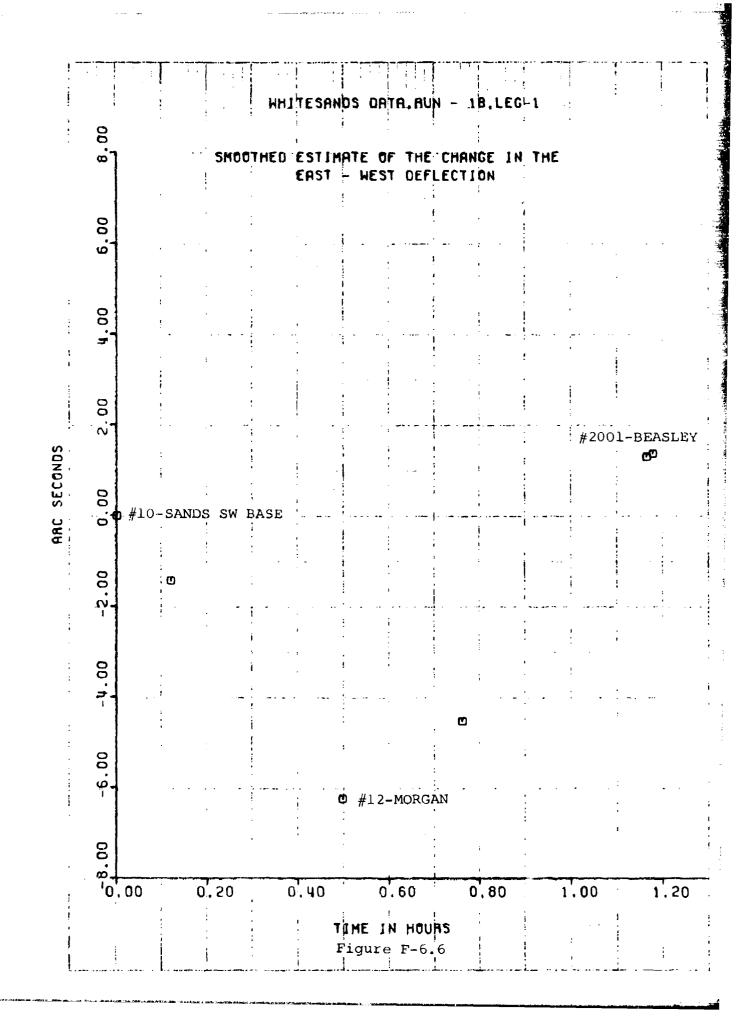


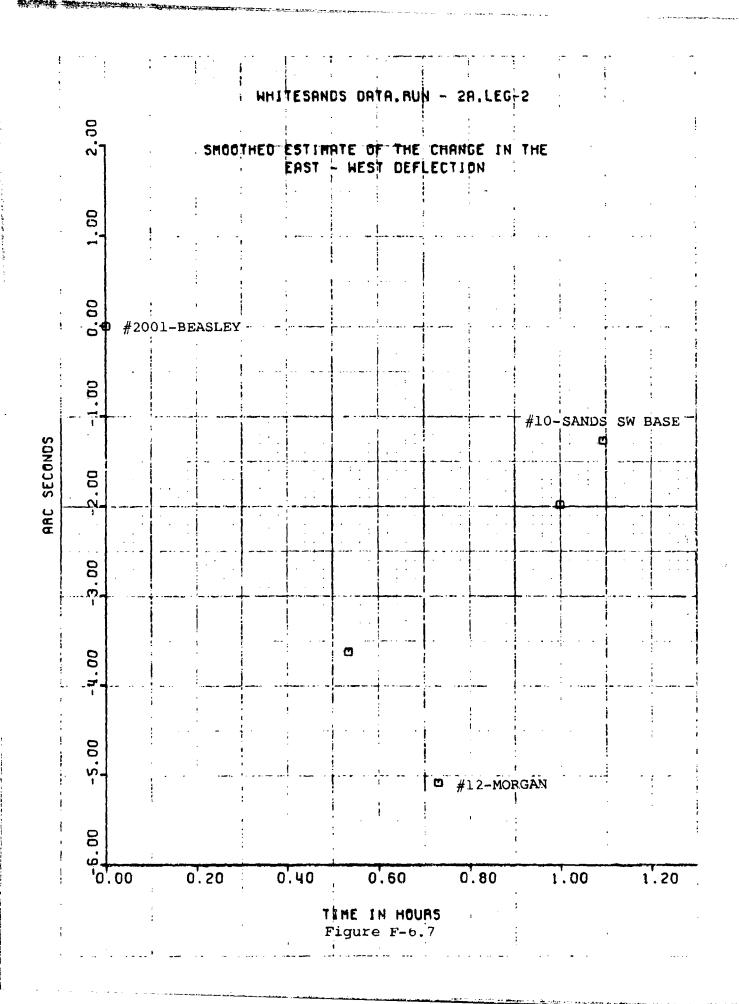
:		- :		* · · · · · · · · · · · · · · · · · · ·	<del></del> -									
	00.00	! •					DS DA	•		• •			: :	•
: :	16	- <b>1</b>		5400	THEO	estin East	ATE O	THE DEF	CHAN	ge in Dn	THE		<b>(D)</b>	
	14.00					; j						 	! !	· · ·
!		1 1 1	<u>-</u>	<u>.</u>	,	 			: 				<b>:</b> :	· · · ·
	12.00		<u></u>											: 
1			• • •		, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
1	10.00			!				: 1 1 1 1 1		<u> </u>	! ! !	' 		
SELUNDS					- · · · <del>· · -</del>			 	·	Ð	#5~SA	LT	-	
	00.18					<u> </u>								
700	·				<u>—</u> .	-				:	} } !			
	8, 00		<b>-</b> -			!						 1		
	00			:	,		· · ·	#7- <b>4F</b>	953					
<u> </u>	a		<b>.</b>	!							!		}	
	2, 00						!		• • • • • • • • • • • • • • • • • • •		; ; ;	! ! !	:	} 1
						i i			]	; ; ;	Carriage : A commune	;		i
1	00,40	#9~1 <b>:0</b>	HANFO 0	.20	' O	.40		. 60	0	. 80	1	.00	1	. 20
						; ; 7	IME I	и нои	i Rs	•			•	•

A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR

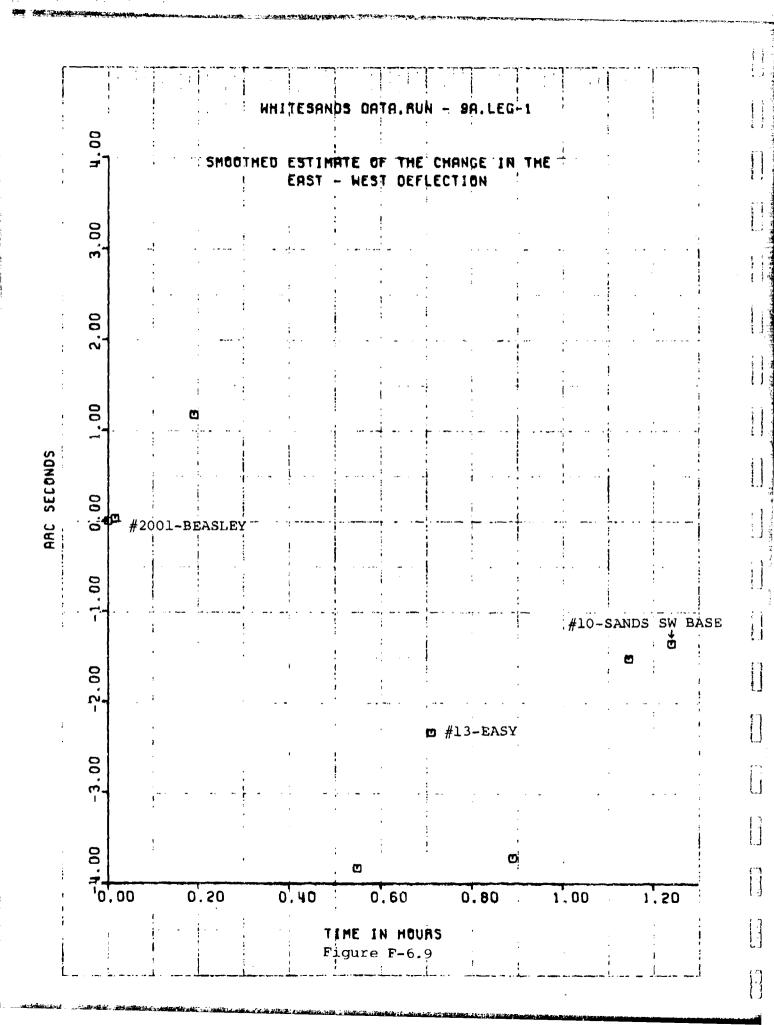








-	2	1		: 1 ·	IMM	TESAN	DS DA	TA.RU	N - 2	B.LEG	-8			
	16.00	•	•	SMOO		ESTIN ESTIN	ATE 6	–	CHAN LECTI		THE		· ·	- !
:	14.00				!	:			•	'			:	,
	12.00				!					<b>.</b>	• • • •		!	·
: ج	10.00	:		• • • • •				· · ·			!	1		· · · · · · · · · · · · · · · · · · ·
ARC SECONDS	8,00		; ; • • • • • • • • • • • • • • • • •							<b>m</b> #3-	SANDS	NE B	ASE	
<b>₫</b>	6, 00		• • • •				0							
:	00.1		· :		c C	#6-	V-321	- · · · · · · · · · · · · · · · · · · ·						,
;	2, 00	:	: : :	. — .					1	; ·		:		
:	00	#10-	SANDS				,			:	· :	:		
	<b>-</b>	.00	<b>O</b> .	.20	0		IME I		<b>1</b> 5	.80	1	.00	1	. 20



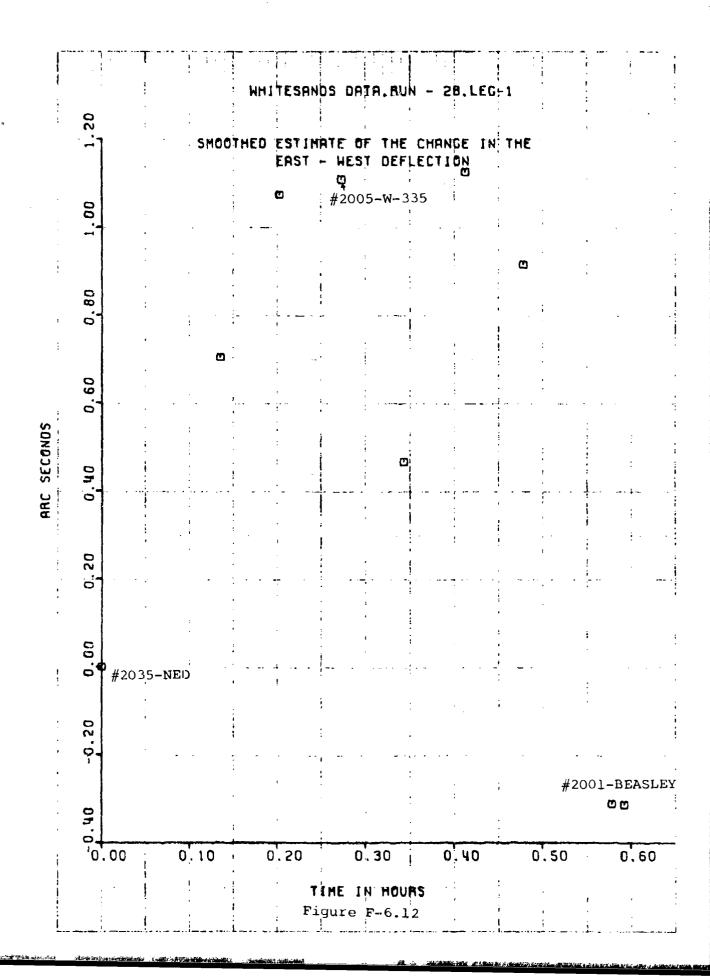
		i . ;			ини	TESAN	DS DA	TA, RU	V - 8	.LEG	-1			
	16.00	-	:	5M00		ESTIN EAST	ATE OI - WES		CHANI LECTI		THE		,	
; ;	14.00			<u></u>		: 	· · · · · · · · · · · · · · · · · · ·	: :		:	·			
:	12.00			•	•	: 								
:	10.00		•			1 1 :						•	:	:
SECONDS	! !		1 1 1 1 1 1 1 1			1				· <del>-</del>				#
ARC SE			   	; ; ;	        	·	10 m		<b>#</b> 3-	-SAND	S NE	BASE		# # # # # # # # # # # # # # # # # # #
:	6, 00	<b>-</b> ··	: 	· ·		! : : <b>D</b> #6-1								
:	ų, 00				· · · · · · · · · · · · · · · · · · ·	;;; ;;			· ·			· ·		
; ;	00.		· !	<b>.</b>			; ; !		: :		;		:	
!	. 5.	<b>Q</b>		,	:	; ; ; ;					:		;	
; i	9:4	#10- . <b>00</b>	SANDS	. 20	ASE 0	.40	0	.60	0	80	1	.00	, 1	. 20
j				;			IME I	į.	:				1	

. . . .

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s



		•	•											•
	. ; 00	٤		:	: <b>WH</b> ]	TESAN	DS DA	TA.BU	N -	BA.LEG	-2			•
	14.00			SHOO	; THED	! ESTIM			CHA		THE		:	
						EAST	- MES	T DEF	<u> </u>	ION				
	12.00			_ , .	:	:	!	•	•	i	; ', .			
	-	;					;	:	•		•	:		
	9			- !			:	; ;	•		!		!	
	10.00	3						• • •	!					:
		:	!		:	:		!			:		:	
	8.69						; ;	o #2	2018-	HUEY	: : :		;	
	ω		•			. ,	:	1 :			•	;	•	
					:	;	; ·	; ;					•	; , , , ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
	6.00	ē	í					9	. ]		· 	<del>-</del>	<u> </u> -	· ·
				i i	i			; ;	!	:	;	•	:	-
	4.00		r • :		;		. 0			. 4	i i			
	= 7			· ·		· - ·	j		;	, ,	:		:	
•										•	1		:	
,	2.00				ļ ·		 :		:		·	•	,	
į		0 0		) <sub>(1)</sub>	!	<b>10</b>	<b>ב</b>		i	•	1			
:	<u>a</u>		0		(0) (0) (0)	)	·						:	
#:	<b>0</b> 0 2001	-BEA	SLEY	, °° #	2035 <b>-</b>	NED	•						:	
	0					ı	1							
	20	,00	1	0,50	<del></del>	1.00		1.50	<del></del>	2.00	1 ;	2.50		3,00
		. · <del>-</del>	!		1				URS		•	r		
i	•		;	İ	1	! 1	<b>TIME</b> Figure	F-6.	13	:	1	, 1	į	

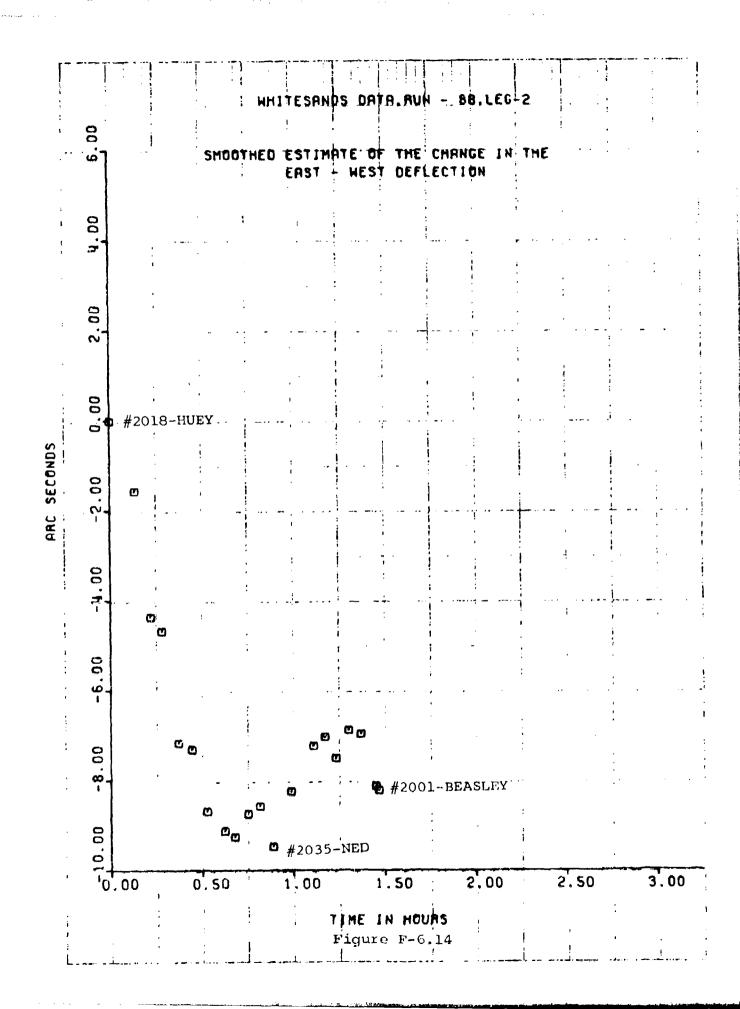
3 .

4.2

11

<del>建价度 医直肠上侧</del> 注:连续转换表面操作。 网络马里斯斯伊拉塞斯斯伊拉斯斯 (1915年) 1910年(1914年) 1910年(1914年) 1910年(1914年)

the bridge of the graph of the spectors of the



. į							į			• •		· · · · · · · · · · · · · · · · · · ·	
	:			THM	TESAN	DS_DA	iun.er	1 -10F	LEG	-2	:		
1.60			SHOC	: ITHED	EST IM EAST	! ATE DI ~ WES!	THE THE	CHANO CTIO		THE			
1.40	7			:		; <b>6</b>	<b>0</b>	·• · · · ·				,	
	:		·	<b>D</b> .	<b>.</b>	i ;	!			- *		<del>!</del> :	
1.20			:	· <del>-</del>		·		•••	•	<i>-</i>	•	i 	
1,00	:	0		· , · · · · · · · · · · · · · · · · · ·		: · · · · · · · · · · · · · · · · · · ·	1	:	· · · · · · · · · · · · · · · · · · ·	· ·	•	, , , , , , ,	
0, 80			; ;								: i : <u>}</u>		
90	•					4		· ·	ا نے		; ; ; ;		
Ö		٠.	-	;	 <b>o</b> #:	2004 <b>-</b> ×	-335	ب		i		( <del></del>	
0,40	;		•		· · · · · · · · · · · · · · · · · · ·	:	,			: · ·			
0.20						: : : :			,		<b>.</b>	#203	5-N
00.00			EASLEY		. 20		20		. 40	:	· en		
υ.		•	0'.10		1	; U     JME 1   igure	.30 N HOU! F-6.	45	. 40	U	50		. 60

17,

「はかったからちならればれることを問題をなるにまる

1			цит	FSQN	DS DA	TO ALL	-10	A I FC	-2		
8.00		SH00	THEO E	STIM	HYE DI	F THE	CHAN	EE IN	дне	2018-	: HUEY
7,00		1	-				ø		<del>1</del>	· ·	• •
6.00	:				i	·	· · · · · · · · · · · · · · · · · · ·	•	i		•
5.00	:			-	•		! !		;	· · · · · · · · · · · · · · · · · · ·	
u, 00	; ; ;			r fon e con		: :			; ; ;	* : : : : : : : : : : : : : : : : : : :	
3,00		• • •		***			:	· · · · · · · · · · · · · · · · · · ·			
2.00		•		<b>ග</b> 	:   © #29	: : :: : .	! -334 !		:	- · ·	٠
1,00	<b>E</b>			-	· · · · · · · · · · · · · · · · · · ·				<u>.</u> 1+		•
<b>D</b> . 00	#2035 00	-NED 0.20	0.	40	. 0	. 60	. 0	.80	<u>:</u>	. 00	1
	; ;				IME 11		<u>:</u>	,	· :		

A CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O

1

;

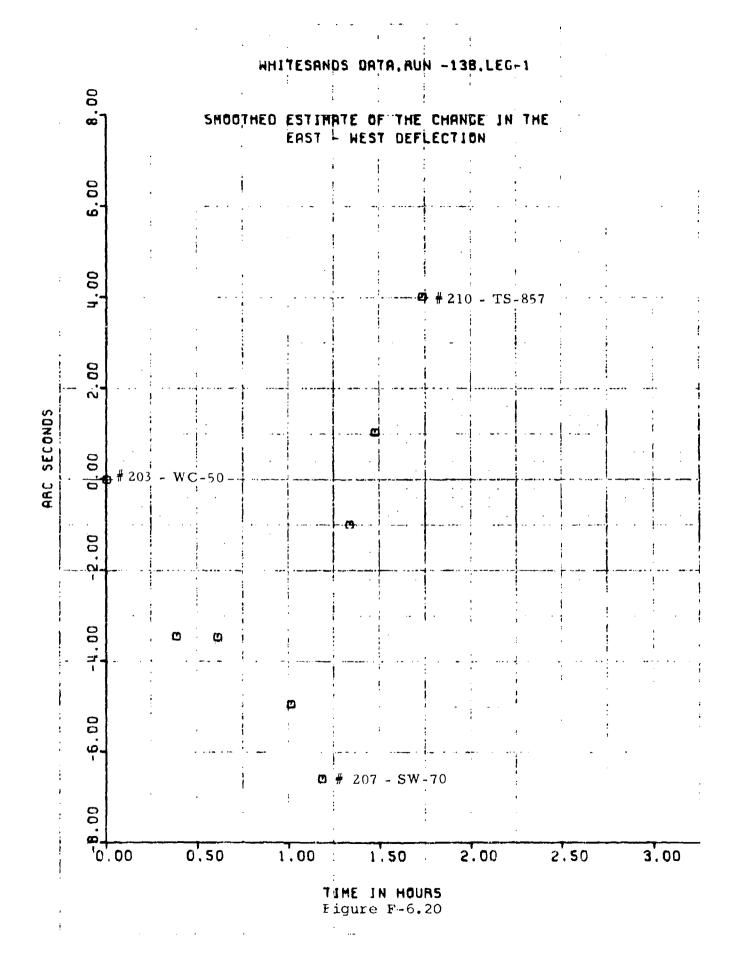
í					1				F ** V **	117	]	]
!		:	WH1	TESAN	DS DA	TA.RU	N -10	B.LEG	- ų		; ;	:
20	•		:	i		<u>;</u>		•			•	
67	•	SHO	OTHED	ESTIM EAST	ATE O		CHAN LECTI		THE			
				ENGT	F MES	ULT						
3.00				;		· !	<b>!</b>		,			
e, l			:		•		• • ·	:	: · ·			
			•							•		
2.50					<u> </u>	•	•	•	•		:	•
~	·=			<del>;-</del> ·		· .		1			• •	
	:				:	: !				1		
00	· ,					:	1	l I	:	,	•	
. ~ 7	•		•	· · · · · ·	: ·					*** ·· - · - ·	:	•
	1		į		:	: !		•	; ;		•	
20	;	•	t		•				, ,			
		· · · · · · · · · · · · · · · · · · ·		-	<u>i</u>	<del>}</del>		į <u>-</u> .	:		• •	···
			:	Ø			! !	:		!	· : ···	
8		•	† •	_		#2005 <del>-</del>	: : <b>W-</b> 335	5	:			
			:	***	; - <b></b> . i				;	-: ··		•
			•		:		: i		i		:	
0.50		,		1	<b>!</b>			<b>o</b> .	1			
0					:				0	•	•	
	:		:		!	0		•				
0.00	#203	5-NED	•	-	•		! :		•			
	. "		:	•		•					:	
50							<b>.</b> ,		į	4	<del>/</del> 2001-	-BEA
6.1	.00	O: 10		20	<del></del>	1 30	. ^		<del></del>			<del></del>
Ü,	. UU .	0.10			•	. 30		. นา		50	;	0.60
:	:	•	1		1	# <b>HOU</b>			!	1		

entrormetta collitaria (1) estata cultino de

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

To the state of

Property of

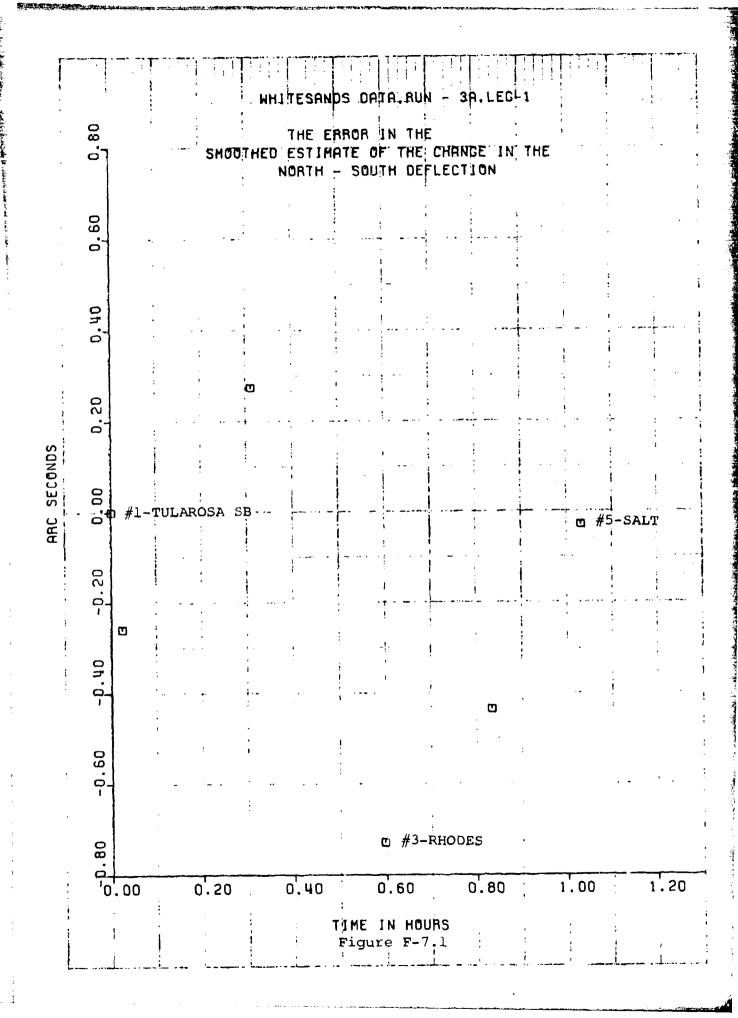


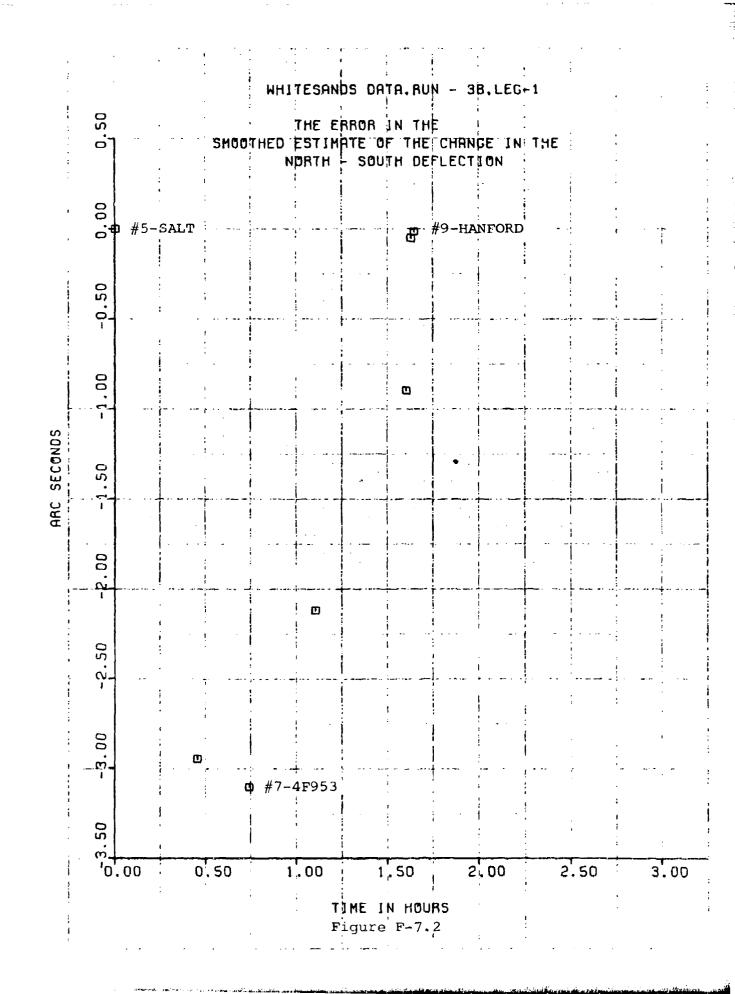
1	;			MAI	TESAN	DS DA	ra.Ru	N -14	B, LEG	-1		; ;	
	16.00		5M00	•		ATE OI - WES		CHAN LECTI	GE IN	THE		:	<b>1</b>
,	14.00				·	· · · · · · · · · · · · · · · · · · ·						· ·	
;	12.00		· · · ·		:		-		h #27	-OAS	i  IS		
; ; ;	10.00			! :	· · · ·		<b>©</b>				:	•	:
ARC SECONDS	8,00										;		
Œ	6,00		<u>.</u>		<b>e</b> #2	02-VAI	LLEY	ASTRO		· · · ·			:
	ŋ. 00			•									:
; ;	2,00				; ; ; 			:	: :	-		•	•
	D. 00	#203 . <b>00</b>	-WC-50 0.20	. 0	.40	0	. 60	0	. 80	· 1	.00	1.20	· ;
;		~~~			Ţ F	IME II	N HÖU F-6.	! <b>hs</b> 22		: !	 	!	

是是是是一个人,我们就是这种的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人的人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一

.

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s





;	!		· · · · · · · · · · · · · · · · · · ·		-		,				• • • • • • • • • • • • • • • • • • • •	:		-
,	1.20			SMOO	THED	THE E	DS DAT RROR ATE OI SOU	IN TH	E CHAN	GE IN	;			
	1.00		· · ·	· · · {		· ·				1		·- ·	; · .	
÷	0.80				 	: :			- ,			! 	· ·	
	. 60							4 orollosis sociolos						
SECONDS	40 0,		5		<u>-</u>	; · · · · · · · · · · · · · · · · ·	[1]							
ARC	, O		<u> </u>											and year again
	0,20													
	0), CO	<b>)</b> #5~2	EALT	· · · · · · · ·		m #3	RHODI	es   			#1	-TULA	ROSA	 5B
	-0.20		1					· ·		; · } }		:	:	
	οħ.		: :	; ;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								,
And the second second second second	0	.00	0	. 20	0	1 T	O IME I	.60 N HOU F-7.	กร	80	1	. 00	1	. 20

\*\*\*

...

The Control of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco

				NH1	TESAN	DS DA	TA.RU	¥ -= _3	A,LEG	-1		
	0, 80	; ;	SHOO	THED		RROR HTE OI - WES	"THE	E ECHAN LECTI		THE	<b>.</b>	: :
	0, 60		·		· · · · · · · · · · · · · · · · · · ·				<b>.</b>		· · · · · · · · · · · · · · · · · · ·	:
	0,40		<u>-</u>	: :	: : : : -			RHODE	S ,			
ς	0,20			· · · · · · · · · · · · · · · · · · ·	1		<del></del>		. <u>-</u> .			
ARC SECONDS	0, 00	9-#1-T	TULAROSA S	B	<u> </u>			and the second of			<b>u</b> #5	-SALT
<b>E</b>	-b.20	<b>C</b> D	-		· · · · · · · · · · · · · · · · · · ·	-	- - 				 :	
	-D. 40				1 						! <u>.</u> .	:
:	-0.60				; — · · · · · · · · · · · · · · · · · ·	1					:	
į		, 00				!		:	,	1	:	!
	70	.06	0.20	C		JME J igure		RS	.80	1	.00	1.20

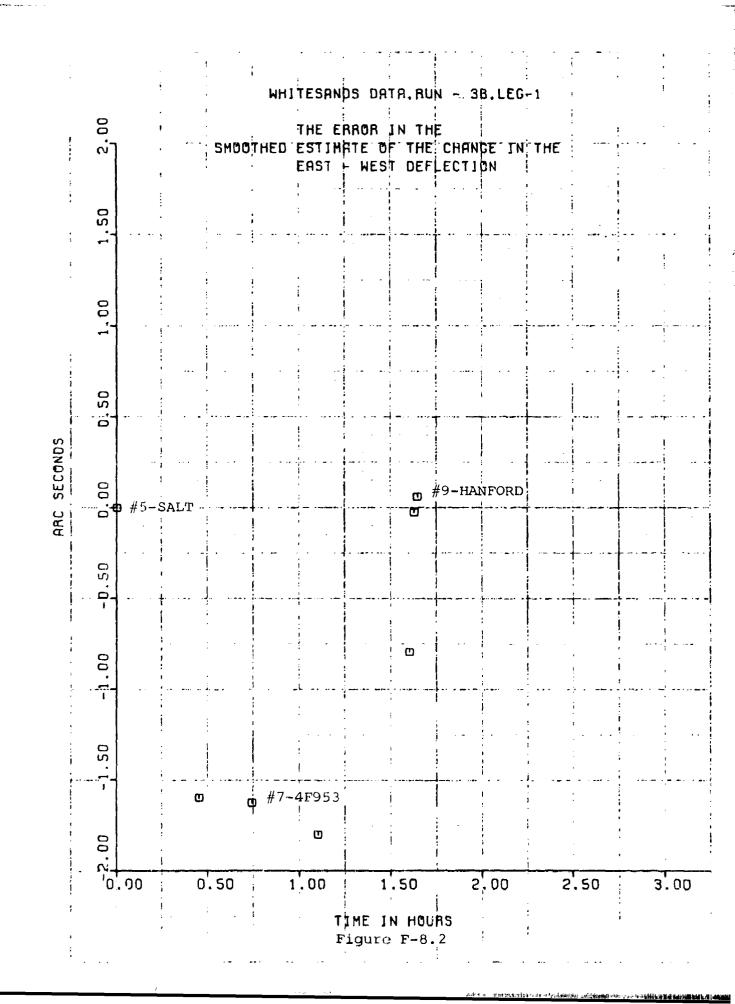
.

; ; ; ;

1

: 1

THE NEW YORK



1		. :	•	;	i !									
•			•		ИНІ	TESAN	IDS DA	TA.RU	N - 41	3.LEG	-1			!
	20		ı			1	!				•	: !		
1	بى 1-			SMOO	THFD	FSTIM	RROR	IN THE	- CHANI	SF' (N	THF	<u>:</u>		••
	,					EAST	- WES	T DEF	LECTI	3N		;		;
			·		!		· !	• .			:	• •		:
. :	0,7				•		r			;				
	-					r · · · · ·		! !						• .
	-	-	!	!		; · ·	•		' , :					ı
<i>.</i>					•	i							, 	
	20		·		:	i		•				!	1	
;	w-1			- • • •	1		1	;						
					!	}						!		
· .	<b>D</b>				• •		1							
	1, 20					ļ	-,	<u>.</u>			 	<b> </b>		por 1821
S.		÷			į ! !			1				:		
ONC						ø #3	: B-RHOD	ES -						
ا با ا	<u> </u>					17.								
AAC SECONDS	ä					<u> </u>	<del> </del>	 						
ä.			<u> </u>	! !										
-		-											****	
1	60				<u> </u>	1		!						
i							1	!						
!													!	
į	b		,	•		!		:			!	:	! !	
}	0, 40		-	:		: 	ļ	·		' 		<u> </u>	' ·	
·			• •	•	1		_	i . J			<b>!</b> ;	;	İ	: : !
ļ		-				:		) 			- i			
	50			, : <b>i</b>		!	1	1	i I			:	:	;
	<u> </u>	·	2	)	<del> </del>	<del></del>	† <del></del>	<del> </del>					;	*
!			• • •		i i	:	1	!			i	ŧ		:
1	<b>.</b>			<del>!</del> :	! · 	!		-		(		1		
ļ		#5- <i>s</i> • <b>0</b> 0	, 	·		<u> </u>	<u> </u>	· : <del>-</del>	i <u>Í</u>				ROSA	·
ļ	_D,	.00	; 0	. 80	:	0.40	0	60	ט	.80	1	, 00	1	. 50
1 1				•	<b>!</b>	· T	AME I	; N HOU	Rs .		:		•	
:	,		!	į	; ;		igure'			!	!	1 1 1	i	
i				, 	i	· ·		:	<u>.</u>	<del></del>	i	•	1	

(Managerical) これでは「大学には、「おきないのできました。 これがない これがない これがない これがない これがない これがない これがない これがない かんしゅうしゅう しゅうしゅう しゅうしゅう しゅうしゅう

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

### APPENDIX G

SMOOTHED ESTIMATES OF CHANGE AND THE ERRORS IN THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL FOR ALL MISSIONS

This appendix contains a complete summary of the error in the change or the smoothed estimate of the change in the deflection of the vertical for all the original missions and their subsets. Each table contains that particular set of runs which traversed the same reference stations. Generally the tables are divided into two groups. Tables G-1 through G-5 contain all of the original 17 missions as recorded over White Sands Test Course. Also included in this group are the missions which were reduced to eliminate major heading changes (5A, 5B, 6A, 6B, 7A, 7B). The second group contains Tables G-6 through A-9 where the original missions were divided to reduce the elapsed time between initiation and closure. This group includes runs 3A/B, 4A/B, 1(1)A/B, 2(2)A/B, 9A/B, 2(1)A/B, 8(2)A/B, 10(2)A/B, 10(4)A/B, 13A/B, and 14A/B. The word 'Ref' in the tables refer to the initial and closure points used by the off-line smoother and were limited to those points where deflection of the vertical data was known. All of the changes in the tables were computed using the 'Ref' point at the top of all the columns as the initial value.

The following is a synopsis of each table:

#### TABLE G-1

- Values of the error in the change in the deflection of the vertical for runs 3,4,5, 5A/B.
- RMS error values for each individual reference point and each run
- 5A/B removed major heading change

## TABLE G-2

- Values of the error in the change in the deflection of the vertical for original runs 6, 7.
- Values of the error in the change in the deflection of the vertical for 6A/B, 7A/B where a major heading change was removed.
- RMS error values for each individual reference point and each run.

# TABLES G-3, G-4, G-5

- Values of the smoothed estimates of the change in the deflections of the vertical grouped according to common reference points [G-3(1(1), 2(2), 9)], [G-4 (2(1), 8(2), 10(2), 10(4))], [G-5(13, 14, 16(1), 16(2), 16(3))]
- Reference values of change are noted where given
- RMS values of error in the change are computed for each individual point
- RMS value of error for all points in Table G-3 only

## TABLE G-6

- Value of the error in the change in the deflection of the vertical for runs 3A/B, 4A/B with reduced travel periods
- RMS error values for each individual reference point and each run

# TABLES G-7, G-8, G-9

- Values of the smoothed estimates of the change in the deflections of the vertical grouped according to common reference points [G-7 (1(1)A/B, 2(2)A/B, 9A/B], [G-8(2(1)A/B, 8(2)A/B, 10(2)A/B, 10(4)A/B], [G-9 (13A/B, 14A/B)]
- Reference values of change are noted where given
- RMS values of error in the change are computed for each given point
- RMS value of error for all points in Table G-7 only.

TABLE G-1

THE ERROR IN THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL FOR WHITE SANDS TEST DATA OF RUNS NUMBER 3, 4, AND 5

(Reduced as recorded in original runs) Runs 5A and 5B were Divided to Eliminate Major Heading Changes

			4	N-S Deflection (Arc-Sec) §	Arc-Sec)					E-W Deflection T	tion T		
į	Station			Run Number						Run Number			
Name	Number	f	+	Ś	5.8	5.8	RMS	٤	4	\$	5A	5B	RM51
TULAROSA S. B.		Ref	Ref	Ref	Ref	Ref	Rei	Rei	Ref	Ref	Ref	Ref	Ref
OASIS	~1	-1.3	9.0	3.1/5.1	4.0	2.3	1.4	-2.0	-0.7	1, 3/.0.4	1.4	-0.5	1.0
RHODES		-3,7	0.0	4.4/6.4	-0.3	1.9	1.1	-2.2	-0.7	1.4/-0.8	1.5	-1.0	1.3
VALLEY ASTRO	+	۴.	2.0	7.1/8.5	5.0	2.1	1.3	-3.0	-2.0	0.8/-1.7	<b>.</b> :		8.
SALT .	'n	-5.0	+.0-	8.4/9.8	2.0	1.6	1.0	-4.5	-2.8	-0.4/-2.2	0.2	-2.2	2.1
W.C-50	ع	-6.3	9.0-	10.7/11.9	-0.2	1.2	9.0	-5.0	-2.2	-1.6/-2.2	-1.0	-2.0	1.8
4F953	1~	-5.5	-1.2	13.0	Ref	Rei	1.2	.4.3	-1.8	-0.5	Ref	Ref	1.8
Q-48	σc	-3.5	-0.3	N.	e z	N.A.	0, 3	-3.4	-0.6	N.A.	٧ ٧	N.A	9.6
HANFORD	ø.	Ref	Ref	K N	<b>4</b> %	Y.	Ref	Ref	Ref	N.A.	K Z	K N	Ref
RMS		4.5	9.0	8.6	0, 3	1.9	-:	3.6	1.7	4.	4	1.6	1. 6

Note: 1 - RMS includes only Runs 4, 5A, 5B

NA - Not Available Ref - Reference Point

( )

TABLE G-2 THE ERROR IN THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL FOR THE WHITE SANDS DATA OF RUNS NUMBER 6 AND 7 [Reduced as recorded in original runs) Runs 6A. 6B, 7A, 7B were Divided to Eliminate Major Heading Changes

			Z.S	N.S Deflection (Arc.Seconds) §	n (Arc-Se	conds) 🕏					E-W D	E-W Deflection (Arc-Seconds)	(Arc-Sec	ù (spuo	
Q. idea	Station			Run Number	mber						Run h	Run Number			
Name	Number	9	7	6A	6B	7.A	7.5	RMS	9	2	6.A	6В	7.A	7B	RMS
WC-50	1	Ref	Ref	Rei			Ref	Ref	Ref	Ref	Ref			Ref	Ref
LAURA CENTER	2	4.6	3.3	1.9			1.3	1.6	1.7	9.0	9.6			0, 2	0.4
CUN	e e	6.2	4.8	2.4			1.4	2.0	2.7	1.7	1.1			1.1	1.1
SHOT	4	6.7	7.4	2.0			2.5	2.3	4.0	2.1	3.8			1.4	1.6
D-3 1/2	۷n	8.3	2.5	2.9			1.7	2.4	3.4	2.0	0.8			1:	1.0
NW-30	9	8.8	7.0	1.9			Ref	1.9	3.3	6.0	-0.1			Reí	0.1
D-3	۲-	9.4	8.0	Ref				Ref	4.6	1.4	Ref				Ref
SEE HORN	∞	6.6	6.3			Ref		Rei	5.3	2.0			Ref		Ref
GERI	6	8.3	3.4		Ref	-1,3		1.3	3.6	1.4		Ref	0.1		0.1
NICK 2	10	5.5	2.8		-0.8	- I.		1.0	3.8	1.2		6.0	0.4		0.7
BRYCE	11	¥ Z	2.3		<b>∀</b> Z	-1.0		1.0	N.A	2.9		ς Υ	2.0		2.0
WHITE	12	<b>₹</b> Z	1.3		¥ Z	-1.2		1.2	NA A	3.0		ž	2.4		2.4
FRY	13	2.4	0.1		0.3	-1.3		6.0	2.0	2.0		6.0	1.7		4.1
CARMEN	14	6.0	-0.3		-0.4	-1.0		8.0	8.	1.6		1. c	1.5		1.3
CONN	15	Ref	Ref		Ref	Reí		Ref	Ref	Ref		Ref	Ref		Ref
RMS		6.9	5.0	2.3	0.5	1.2	1.8	1.6	3.5	1.9	1.0	6.0	1.6	1.1	1.3
Note: 1 . RMS includes only. Runs 64 6B	des only Run	s 6A. 6B.	7A. 7B												

Note: 1 - RMS includes only Runs 6A, 6B, 7A, 7B

NA - Not Available Ref - Reference Point

TABLE G-3

THE SMOOTHED ESTIMATES OF THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL AND THE ERROR FOR KNOWN REFERENCE
POINTS OF RUNS NUMBER 1(1), 2(2), AND 9 FOR THE WHITE SANDS TEST DATA

THE STREET, SALES BEING THE

まだ 神子

4	
ć	
£	-
2	runs
5	original
•	-
į	in
ζ	ಳ
1 (1)	as recorded
	Ś
:	ď
NOW WE WILL ELT, AND 1 FOR INE WALLE	(Reduced
1	
,	

			5-X	Detlection	N-S Deflection (Arc-Seconds) §			E-W	Deflection (	E-W Deflection (Arc-Seconds)	
	Station		Run Number	j.		RMS Value		Fun Number		0.1-27 % d	RMS Value
Name Name	Number	1(1)	5(2)	6	of Change	in Change	1(1)	2(2)	6	of Change	in Change
SANDS NE BASE	٩	Ret	Ref	Ref	Rei	Ref	Ref	Ref	Ref	Ref	Rei
OTERO AZ ECC	4	6.7	-1.5	7.	N.A	N.A.	- 1.7	- 1.7	-0.9	NA	KN
OTERO ECC	s.	-0. t	-2.4	-2.0	10.1	۲.	- 1.6	- 2.0	-0.7	- 1.8	0.7
V-321	c	-0.5	7.7	<i>†</i>	N.A.	X.X.	- 3.8	- 4.2	-2.0	XX	NA
ADD ECC	1-	-1.8	-3.6	<del>-</del>	-1.3	Ŧ.'.	- 5.4	- 5.4	-3.1	3.8	1.4
IPS-2	э.	~. ~-	-4.0	5.7-	Z.	K Z	- 7.2	- 7.0	-4.3	Z.	N.A.
C-322	7	٠٠٠٠	٦.٠٦	5.3	NA	K X	4.8	- 7.9	-5.3	NA	NA
SANDS SW BASE	10	-5. to	-6.3	- 5. 6	8.	7.0	5.6	6.8	-6.5	- 8.5	1.3
1 RAVES	=	-5.2	-6.7	عد ۳	~ .4-	1.5	-10.9	9.6 -	8.9-	4.6	1.7
MORGAN	-1	5.5	-5.7	ř	- 1. 3	1.6	-15.2	-12.4	-9.3	-13, 3	2.6
EASY	~.	7.1	-1.9	+·0-	-0. 3	1.7	-13.2	-10.8	-8.2	-14.7	4. IV
LAB ASTRO	=	V.X.	V.V.	2.5	3.5	1 0	N.A.	K.N.	6.6-	-13.1	3.2
BEASLEY	7007	Ref	Ret	Ref	0.6	Rei	Ref	Ref	Ref	- 6.7	Ref
RMS						1.5					2.5
				7				1			

NA - Not Available Ref - Reference Point

TABLE G-4

THE SMOOTHED ESTIMATES OF THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL AND THE ERROR FOR KNOW'N REFERENCE
POINTS OF RUNS NUMBER 2(1), 8(2), 10(2), AND 10(4) FOR THE WHITE SANDS TEST DATA
(Reduced as recorded in the original runs)

	RMS Value		Ref				1.0			1.6											4
E-W Deflection (Arc-Seconds) 1,	andey Yalus	of Change	Ref	NA	¥ Z	¥Z	0.1	NA NA	NA A	0.4	Z V	NA	NA	YZ	NA	NA	N.	NA	NA	Y X	8.2
ion (Arc-		10(4)	Ref	0.8	0.8	0.5	1.2	1.2	1.4	-0.2	0.8	0.8	0.2	0,3	0.8	1.9	2.4	4.4	4.4	6.9	Ref
-W Deflect	mber	10(2)	Ref		1.5	0.8	1.8	1.8	1.9	6.0	2, 1	2.2	1.9	1.8	2.7	3.0	3.0	5.4	5.5	7.3	Ref
ы́	Run Nunber	8(2)	Ref	1.0/1.1	0.9/ 1.1	-0.1/ 0.3	0.6/0.7	0.2/ 0.4	0.1/-0.8	-1.3/-2.2	-0.7/-1.4	-0.5/-1.7	-1.2/-2.4	-1.3/-2.3	-0.3/-2.0	-0.3/-0.8	-0.4/-0.8	1.9/ 1.6	2.1/1.8	3.7/ 4.4	ж .с.
		2(1)	Ref	1.0		0.3	0.8	9.0	0.1	-0.9	-0.4	0.0	8.0	-1.1	9.0-	0.7	0.9	3,3	3.6	5.6	Ref
	RMS Value	in Change	Ref				1.6			2.3											G
(Arc-Seconds) §	out W is a	of Change	Ref	Ą Z	Y Y	NA	-0.1	A Z	NA	-0.9	N.A	ď Z	ΨN	NA	NA	NA	ΝΑ	Y.A	NA	NA	9 17
N-S Deflection (A		10(4)	Ref	٥. 4	-0.2	0.7	1.4	4.0	6.0	1.0	1.9	1.5	2.3	2.6	1.1	9.6	1.1	0.1	0.5	0.0	ņ.,
d s-N	Run Number	10(2)	Ref	0.1	-0.1	9.0	1.2	6.0	1.9	1.7	7.4	1.9	3. 1	2.9	2.9	2.8	3.3	2.5	1.8	0.1	, o
	Run N	8(2)	Ref	0.2/1.1	0.5/0.4	1,4/1.3	2.1/1.8	1.9/0.9	3,4/1,4	2.5/1.2	1, 9/2.2	2.2/1.4	3, 7/2, 1	3.2/2.4	3, 1/1.0	3.4/0.2	3.9/1.0	3.5/0.4	2,5/0.5	0,7/0,1	7 (
		(1)2	Ref	0.8	-0.2	0.4	0.8	-0.5	-0.2	0.2	6.0	0.2	0.7	1.0	-0.5	-0.7	0.1	-0.6	-0.3	-0.3	J 0
	Station	Number	2001	2002	2003	2004	2002	2006/2038	2007/2037	2035	2034	2033	2032	2031	2023	2022	2021	2049	2020	5019	8100
		Name	BEASLEY	2-335	Y-335	X-335	W-335	V-335	U-335	NED	YB60	YB59	YB58	YB57	M-334	L-334	К-335	FIRE	H-334	F-334	40

NA - Not Available Ref - Reference Point THE SECOND CONTRACTOR OF A SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR O

TABLE G-5
THE SMOOTHED ESTIMATES OF THE CHANGE IN THE DEFILECTIONS OF THE VERTICAL AND THE ERROR FOR KNOWN REFERENCE
POINTS OF RUNS NUMBER 13, 14, AND 16 FOR THE WHITE SANDS TEST DATA
(Reduced as recorded in original runs)

	ı,		T					0		'n	3				_				
	RMS Value	of Error in Change				2.7	6.0	0.5 2.0		3.5	<b>4</b> .5					4	i		
			+														_		_
conds) -		Ref. Value of Change	Rej	- 4 2	. KN	-0.7 Ref				-5.9 -5.1	-11.5	7.7	Y.	e X	EN.	-10.1	e X	-7.5	
(Arc-Se		16(3)	Ref	8.0	0.0	Rei													
ect ons		16(2)				Ref	4. %.	7	-5.7	Ref					_				
E-W Deflect ons (Arc-Seconds)	Kun Number	16(1)	Ref	1.3	2.3	2.0	AN.	-3.7 -3.7	.3.8	Ref									
		<u></u>				Ref	0.2 -	9.9 -	NA A	86 86	-15.9	-17.1	-16.3	-16.6	-17.6	Rei			
		ř.				Ref	1.1	5.5	A N	- 8.4	-16.0	7 8:	-17.9	-18.3	- 19.5	-13.6	-11.2	Ref	
	RMS Value	of Error in Change				3.9	4.0	2.8 1.3		1.8	1.3					1.0			
conds) §		Ref. Value of Change	Ref	ź	4 Z	1.4 Ref	NO 0.7	1.7 0.4	NA NA	1.4 0.0	-2,3	N.	VN	Y.X	K.X	6.4-	1.%	8.4.	
(Arc-Se		16(3)	Ref	0.1	-n.1	Ref									_				
N-S Deflection (Arc-Seconds) 3		16(2)				Ref	NA NA	1.9	9.8	Ref					-				_
N-S D.	Run Number	(1)91	Ref	1.0	3.0	ŭ,	¥ X	4.7 4.2	2.3	Ref									-
		7.				Ref	9:1	2.2	N.A	۲.۶			-3.1	-3.7	-2.7	Ref			_
		13				Ref	0.1	4.0	NA	٥, ۶	s .0 -	-1.8	-2.0	z.	-1 -1	-3.0	2.5	Ref.	
, <b>.</b>	Station	Number	22	97	.,	7.7	501	20 203	30	ιć	203	F07	205	206	207	Sos	209	210	-
		Name	JACK	MONUMENT 14	1PS 4	OASIS	RHODES	VALLEY ASTRO	0-48	SALT	NC-50	95- W.V.	TS-204-2	TS-344	SW-70	BASIN	G-237	18.857	

NA - Not Available Ref - Reference Point

TABLE G.6 THE ERROR IN THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL FOR WHITE SANDS TEST DATA OF RUNS 3 AND 4 DIVIDED TO REDUCED TRAVEL PERIODS BETWEEN CLOSURES

		N-S Def	N-S Deflection (Arc-Seconds) 5	18) €	E-W De	E-W Deflection (Arc-Seconds) 1	1s) 1
	Station	Run Number	ımber		Run Number	ımber	
Station Name	ID	3.A/I3	4 A/B	RMS	3 A/B	4 A/B	RMS
TULAROSA S. B.	-	Refey	Ref	Ref	Ref	Ref	Reí
OASIS	2	0.3	9.0	0.5	-0.7	0.3	0.5
RHCDES	٤	-0.7	0.1	0.5	0.4 -A	6.0	0.7
VALLEY ASTRO	4	4.0-	0.4	0.4	0.7	0.2	0.5
SALT	'n	Ref	Ref	Ref	Ref	Ref	Ref
WC-50	٠	-2.9	10.3	2.1	-1.6	-0.1	1.1
4F953	۲-	-3.1 -B	-0.9	2. 3	-1.6 -B	-0.5 -A	1.2
Q-48	œ	-2.1	-0.2	1.5	8.1.8	0, 1	1.3
HANFORD	σ·	Ref	Ref	Ref	Ref	Refe	Ref
RMS		2.3	0.5	4.1	1.3	0.4	6.0

Ref - Reference Point

TABLE G-7
THE SMOOTHED ESTIMATES OF THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL AND THE ERROR FOR KNOWN REFERENCE
POINTS OF RUNS 1(1), 2(2), AND 9 FOR THE WHITE SANDS TEST DATA
(TRAVEL LEGS DIVIDED TO REDUCE TIME PERIODS BETWEEN CLOSURE POINTS)

THE SHARE WERE AND ASSESSED TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF

1

	:			2.	Spen	N.S Deflection (Arc-Seconds) ?	Seconds) 🕏			ம்	٠. D	E-W Deflection (Arc-Seconds)	Arc-S	seconds) *	
	Station			Run Number	že r		4	RMS Value		Run Number	nber				RMS Value
	Number	1(1) A/B	e l	2(2) A/B	m	9 A/B	of Change	of Error ir Change	1(!) A/B	2(2) A/B	/B	9 A/B		net, value in Change	of Error in Change
SANDS NE BASE	ю	Rei		Ref		Ref	Ref	Ref	Refe	Ref		Ref		Reí	Ref
OTERO AZ ECC	ず	1.1		-0.9		-1.3	K.N.	K.K.	-1.5	-1.5		-1.2		NA	K.X.
OTERO ECC	īV	0.0		-1.6		-1.9	-6. 2	<u>~</u>	-1.2	-1.8	ſ	-1.1		6.0-	0.6
V-321	9	0.5	4.	-0.8	е.	-1.3 -B	N.N.	KX	-3.2 -A	-3.7	9	-2.7	q	NA	NA
ADD ECC	1	-0.5		8 .		-1.3	-1.3	0.5	-4.6	6.4-		7.0		-3.8	9.0
IPS-2	œ	-1.7		o . i -		-2.5	K N	٠, ۲	-e. 1	-6.4		-5.4		ΚN	K'X
C-323	σ·	-2.0		-3.2		-3.7	K.N.	K Z	-7.1	-7.2		-6. 7		NA	NA
SANDS SW BASE	01	Ref		Ref •		Rei	Reí	Ref	Ref	Ref		Ref		Ref	Rei
TRAVES	~	0.3		10. 1		-1.3 -	8 .0 .	9.0	-1.4	-0.7		-0.2		-1.3	0, 7
MORGAN	2]	1 7	-8	-0.3		~	0.2	4.1	-6.3	-3.8	•	-2.4		.5.2	1 9
EASY	61	? .9		3.0	 ;	3.1	3, 2	<u>.</u> .	-4.5	-2.4	;	-1.0	·	-6.6	4. C1
LAB ASTRO	~	N.A		N.A.		0.0	0.9	0.0	N.	N.A.		-2.5		4.	3.9
BEASLEY	1007	Ref		Ref		Ref	Ref	Ref	Ref 🖵	Ref		Rei		Ref	Ref
RMS															2,5

NA - Not Available Ref - Reference Point

TABLE G-8
THE SMOOTHED ESTIMATES OF THE CHANGE IN THE DEFLECTIONS OF THE VERTICAL OF RUNS 2(1), 8(2), 10(2) AND 10(4)
FOR THE WHITE SANDS TEST DATA (TRAVEL LEGS DIVIDED TO REDUCE TIME PERIODS BETWEEN CLOSURE POINTS)

and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o

				N-S De	N-S Deflection (Arc-Seconds)	:-Seconds) §			ом-э	E-W Deflection (Arc-Seconds)	c-Seconds) T	
	Station				Run Number	Į,				Run Number	er	
Name	Number	2(1) A/B	/B	8(2) A	8(2)B	10(2) A/B	10(4) A/B	2(1) A/B	8(2) A	8(2)B	10(2) A/B	10(4) A/B
BEASLEY	2001	Ref		Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Refor
2-335	2002	9.0		0.2	1:1	-0.3	0.1	6.1	1.2	1.3	1.0	6.9
Y-335	2003	-0.5		9.0	0.3	8.0-	-0.8	*	1.2	1.3	1.3	j. 0
X-335	2004	0.0	a a	1.5	1.2	-0.2 -A	-0.1 -B	0.8 -B	0.3	0.7	0.6 -A	0,7 -B
W-335	2002	0.2		2.2	1.6	-0.1	0.	**	1.1	1.2	1.5	1.5
V-335	2006/2038	-0.6		2.0	8.0	-0.7	6.0-	1.4	0.8	1.0	4.	1.7
U-335	2007/2037	-0.8		3.5	1.3	-0.1	-0.6	1.0	0.8	0.0	1.5	2.0
NED	2035	Ref		2.6	1.1	Ref	Ref	Ref	-0.4	1.2	Ref	Ref
Y B60	2034	0.8		2. 1	2,0	-0.1	1.1	٥. ب	0.4	0.3	1.2	1.0
YBS9	2033	0.2		2.3	1.2	0.7	9.0	1- 0	0.7	0.5	1,4	6.9
YB58	2032	8.0		3,8	1.9	2. 1	1.7	-0.1	0.1	1.0	1.1	0.3
YB57	2031	1.2		4.6	2.2	2.0	2. 1	-0.5	0.1	9.9	1.0	0.3
M-334	2023	-0.2	-A	3.3	6.0	2.3 -B	0.8 -A	-0.2 -A	1.2	0.5	1.9 -B	0.8 -A
L-334	2022	-0.2		3.5	0, i	2. 4	0.5	1.0	1.5	6.0	2.3	1.9
K-334	2021	9.0		4	6.0	 	eser ever		1.5	1.1	2.3	2.3
FIRE	2049	0.0		3.6	4.0	2:5	5,3	3.3	3.9	3.6	8.4	4; w
H-334	2020	÷ ;		2.5	0.5	2.1	0.7	3.6	4.2	3.9	4.9	£.3
F-334	6102	4.0		8 0	0.1	9.0	4.5	5.4	, 6.0	6.7	8.9	6.7
HUEY	2018	Ref		Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Refe

Ref - Reference Point

「一直のないというできる。 また、「日本日本のでは、日本のでは、「日本日本のでは、「大田本の」は、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「大田本のでは、「日本のでは、「大田本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、「日本のでは、日本のでは、「日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、「日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本

THE SMOOTHED FSTIMATES OF THE CHANGE IN THE DEFLICTIONS OF THE VERTICAL AND THE EDROR FOR NOWN REFERENCE POINTS OF RUNS 13 AND 14 FOR THE WHITE SANDS TEST DATA (TRAVEL LEGS DIVIDED TO REDUCE TIME PERIODS BETWEIN CLOSURE POINTS)

			N-S Deflection	N-S Deffection (Arc-Seconds) !			E-W Deflection	E.W Deflection (Arc.Seconds)	5
	Station	. uny	Naorber		RMS Value	Run N	Run Number		RMS Value
Statis n Name	Number	13.4.13	14 A / B	Ret. Value of Change	of E-Yor in Clauge	87881	14 A/B	Act. Valler of Change	or t.rror in Change
OASTS	5.3	Ref	R.:'1	Keí	i'	Ref	چ آ	Rel	
RHODES	201	. '0-	96	c .1	Α.	0.0		-0. 9	9.0
VALLEY ASTRO	297, 67	-0.1	0, - 18	1- G	9.6	- 3. n	-4.6	- 3, 5	٥. م
8 <del>1</del> -0	20	ź	2	χχ		V- VN	e- ex	ΥN	
3.11.5	**	٠, د د د	0.3	6.3	0.4	2.2	6.5.	~ "	6.0
W.C-30	ξο.	n in it	¥ 2	ivet		Ref	π. 1	Ref	
65.83	†u.	x 'c-	7	NA		-3.5	7	N.	
18-204-2	205	· · · ·	4	e./		-3.5	-2.5	NA	
F++-S.I	907	4.7	.0	K X		0 7	-3.6	NA	
GC 1338	1.01	7.0	-1.2	¥.X		-6.6 -B	5,3	ΥX	
BASIN	80.	7	R. ef	9:1-	٥. ٢	0.1.	Refe	9.0	ند
C-247	50.7	x -;		4X		٠. ٥		NA.	-
F-4.8.1.2.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	0.17	Ref		Ref		Refol		Ref	

NA - Nor Available Ref - Reference Point

į

11

# APPENDIX H

"BEST" ESTIMATES OF THE DEFLECTION OF THE VERTICAL AT STATIONS WHERE REFERENCE VALUES WERE NOT AVAILABLE

The "Best" estimate values of the deflection of the vertical for the stations where the reference values were not available were derived using the average of the change in the deflections of the vertical as measured by the RGSS system.

Several estimates of the change were available for most of the unknown stations and the different missions used to compute each of the averages is noted in Table H-1. Three stations (IPS-1, MOTEL, K-237) where reference values were not given are excluded from the "Best" estimate list. This was done because these stations were traversed either before the first known reference value or after the last known reference value for a mission. Therefore, they are not included in the estimates as obtained from the FORTRAN smoothing program.

Additional reference values were provided after the "Best" estimate values were determined for the four (4) stations noted in Table H-2. The values of the error for the N-S and E-W deflections of the vertical are computed for each station and the RMS value of the error for the four (4) stations is included in the table.

TABLE H. 1
"BEST" ESTIMATES OF THE DEFLECTIONS OF THE VERTICAL AT STATIONS WHERE
NO REFERENCE VALUES WERE AVAILABLE

Station Name	Station ID Number	Estimated N-S Deflection (\$) (Arc-sec)	Estimated E-W Deflection (%) (Arc-sec)	Runs Where Measured
OTERO AZ ECC	ý.	-1.60	4.98	
V-321	6	-1.94	3.13	1(1)
1PS-2	8	-3.63	0.32	2(2)
C-322	9	-4.66	-0.71	9
Z-335	2002	0.03	0.76	
Y-335	2003	-0.48	0.81	
X-335	2004	0.30	0.16	
V-335	2006/2038	0.02	0.70	
U-335	2007/2037	0.67	0.45	
¥ <b>3-6</b> 0	2034	0.73	0.15	2(1),8(2)
YB - 59	2033	0.38	0.27	10(2),10(4)
YB-58	2032/3632	1.03	-0.06	
YB-57	2031	1.07	-0.31	
M - 334	2023	0.44	0.24	
1334	2022	0.28	0.88	
E-334	2021	0.69	1.11	
TIRE RM-1	2049	0.29	3.42	
11-334	2020	0.29	3.20	
F-334	2019	-0.44	5.72	
NW -50	204	-5.15	-5.71	
TS-204-2	205	-5.97	-5.41	13,14
TS-344	206	-6.45	-6.21	
SV-70	207	-4.97	-7.61	
G-237	209	-6.50	-1.18	13
MONUMENT 14	26	-2.35	11 79	16(1), 16(3)
1P5-3	3	-1.90	12, 34	
G-48	30	-1.05	6.70	16(1), 16(2)

TABLE H-2

ADDITIONAL REFERENCE VALUES AND "BEST" ESTIMATES OF THE DEFLECTION OF THE VERTICAL FOR STATIONS ON RUNS 13 AND 14

	N-S De.	. crion (Arc-Sec) §	S (3:	E-W Defi	E-W Deflection (Arc-Sec)	1 (
Station Name	Reference Value	''Best'' Estimated Value	Value of Error	Reference Value	"Best" Estimated Value	Value of Error
NW -50	-7.01	-5.15	1.86	-4.15	-5.71	-1.56
TS-204-2	-7.50	-5.97	1.53	-4.35	-5.41	-1.06
TS-344	-6.42	-6.45	-0.03	-5.31	-6.21	-0.90
SW-70	-6.50	-4.97	1.53	-6.74	-7.61	-0.87
RMS			1.32			1.31

#### APPENDIX I

# KALMAN ESTIMATES OF FREE-AIR GRAVITY ANOMALY CHANGES AND THE ERRORS IN THE ESTIMATES

The free-air gravity anomaly estimates (DZ), generated by the Kalman mechanization are recorded at each station during the mission. Where reference free-air gravity anomaly values were available for the various missions, the changes (ΔG) from station to station in the estimates and reference values were computed. The real-time Kalman estimates were not compensated and the real-time changes are recorded directly in the tables. The total error from Runs 2(1), 8(2), 10(2) and 10(4) [where all the reference values were given] is 2.0 milligals (RMS) Table I-1. It should be noted that the errors in the column for the real-time Kalman estimates of Run 8(2) (Table I-1) are the RMS of the two errors generated for each station on this particular test run. Since only a minimum of reference points were given for all the other runs, they are collectively summarized in Table I-2.

TABLE 1-1 THE RAW KALMAN ESTIMATES OF THE FREE AIR GRAVITY ANOMALY CHANGES AND THE ERRORS FOR KNOWN REFERENCE VALUES OF RUNS 2(1), 8(2), 10(2) AND 10(4) FOR THE WHITE SANDS TEST DATA

		90	AG - Raw Kalman Estimate of Free Air Gravity Change (ADZ)- Milligals	timate of Fred DZ) - Milligal	e Air		Error i Free A	n the daw l	Error in the Raw Kalman Estimates of Free Air Gravity Change - Milligals	ates of ligals
, de 40	Station		Run Number	nber		Change in Reference		Run	Run Number	
Name	Number	2(1)	8(2)	10(2)	10(4)	Anomalies-Milligals	2(1)	8(2) RMS	10(2)	10(4)
BEASLEY	2001	Ref	Ref	Ref	Ref	Ref				
2-335	2002	-3.0	0.8/-2.6	2.7	-3.2	0.8	*3.8	2.4	1.9	4.0
Y-335	2003	-0.7	-2.2/0.5	-2.7	0.2	0.1	-0.8	1.7	-2.8	0.1
X-335	2004	9.5	1.9/0.2	1.6	6.0-	0.5	0	1.0	1.1	-1.4
W-335	2005	3.6	3.8/2.5	2.3	4.3	1.4	2.2	1.9	6.0	2.9
V-335	2006/2038	1.4	0.3/1.9	-0.2	3.1	2.6	-1.2	1.7	-2.8	0.5
U-335	2007/2037	6.6	3.1/4.7	3.1	1.0	2.9	3.7	1.3	0.2	-1.9
NED	5£02	0.7	7.5/2.6	8.2	5.9	4.8	1.1	2.5	3.4	1.1
YBéo	2034	1.7	2.9/0.6	1:5	2. 1	1.5	0.2	1.2	٥	9.0
YBSG	2033	-0.3	-2.3/0.6	4.1-	6.0	0.7	-1.0	2.1	-2.1	0.2
YB<8	2632	1.3	2.7/0.1	1.8	1.3	2.4	-1.1	1.6	-0.6	-1.1
YB57	2031	4. 8.	2.5/4.0	3.4	4.2	1.9	2.9	1.5	1.5	2.3
M-334	2023		-1.9/-1.4	-0.3	-0.8	0.2	-2.9	6: -	-0.5	-1.0
L-334	2022	-0.9	-0.7/-1.3	-1.2	-1.7	-2.6	1.5	1.6	1.4	6.0
K-334	2021	-1.0	0,-0.9	-0.1	-1.0	-1.6	9.0	1.2	1.5	9.0
H-334	2020	-2.3	-3.9/-0.4	-3.2	-0.2	-1.6	0.7	1.8	-1.6	1.4
F-334	2019	3.0	2.9/0.6	4.2	1.1	2.4	9.0	1.3	1.8	-1.3
HUEY	2018	4.3	8.8/12.6	0.4	11.1	8.9	-4.6	2.6	-4.9	2.2

2. 1

.:

2.4

RMS

TABLE 1-2.
THE RAW KALMAN ESTIMATES OF THE FREE AIR GRAVITY ANOMALY CHANGES AND THE ERRORS FOR KNOWN REFERENCE VALUES OF SELECTED
RUNS IN THE WHITE SANDS TEST DATA

			7	AG - Raw Kalman Estimate of Free Air Gravity Change (ADZ)-Milligals	stimate of	Free Air	Gravity Cl	nange (DDZ	)-Milligal	×		
	Station				_	Run Number	24					Change in Reference
Name	Number	*	т	sr.	-	2(2)	σ	13	14	16(1)	16(2)	Anomalies - Milligals
OASIS	57.7	Ref	Ref	Ref				Ref	Ref	Ref	Ref	Rei
VALLEY ASTRO	4 202 20	- 15.3	-17.2	-17.6 -15.4				- 20	-14.1	-12.4	-12.7	-15.2
SALT		-14.2	-13.7	-13.4 -13.8				-13.5	4.41-	-14.2	-14.8	- 14.0
4 15 05 3	1-	14.0	· · ·	٩X		,		NA	ΝA	NA	NA	12. 1
Motel	-1				Ref	Ref	Ref					Rei
OTERO ECC	ır				7.2	!- .,	3.6					- 4.1
SANDS SW BASE	51				-14.5	-15.6	-15.1					-14.0
REASLEY	2001				4.1	4.0	ч. •					- 1.8

Station Name	II) Number		is .	Error in the Raw Kalman Estimate of Free Air Gravity Change - Milligals	man Estin	nate of Fr	ce Air Gra	avity Chang	ge - Millig	als	
SALLEY ASTRO	4 202 24	9.1	0.1 2.0	1.7				α. Τ	1.1	2.8	2.5
SALT	1; 5	ر د د	 	٠,٠				0.5	0.4	0.2	8.0
15.023	1-	1.9	· · ·	<b>4</b> %				Ϋ́N	ΨN.	NA	¥N.
OTENO ECC	ú				11.3 1.6	1.6	9.6				
SANDS SW BASE	U.I				0,4	0.3	0.2				
BEASLEY	1002				5.0	5.8	6.3				

NA - Not Available Ref - Reference Point

のでは、「一般のでは、「「「「「」」」というでは、「「」」というでは、「「」」というでは、「「」」というでは、「「」」というでは、「「」」というできます。「「」」というできます。「「」」というできます。